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CALENDAR
OF
QUEEN'S UNIVERSITY
AT
KINGSTON, CANADA



INCORPORATED BY ROYAL CHARTER A.D. 1841.

FACULTY OF ARTS

SEVENTY-FIFTH SESSION

1915-16.

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**Queen's University
Library**

KINGSTON, ONTARIO

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SEVENTY-FIFTH SESSION, 1915-1916



INCORPORATED BY ROYAL CHARTER A.D. 1841.

FACULTY OF ARTS

KINGSTON:
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ACADEMIC YEAR.

The term "year" used in connection with Regulations and Courses of Study refers to the ACADEMIC YEAR, which, irrespective of the dates of the opening and closing of any particular session, is considered to extend from October 1 to September 30.

The SEVENTY-FIFTH SESSION of the University will begin at 8 a.m. on Wednesday, September 29, 1915. Lectures for the first term will close at 5 p.m. on Wednesday, December 22. Lectures for the second term will begin at 8 a.m. on Tuesday, January 4, and close at 5 p.m. on Wednesday, March 29. Convocation will be held on Wednesday, April 26, 1916.

1915.

May 14—Last day on which Inspectors will receive notice, accompanied by fees, of candidates' intention of taking the Junior and Honour Matriculation examinations.

May 15—Written notice due at the Registrar's Office of candidates' intention to compete for Matriculation Scholarships.

May 15—Last day on which extra-mural students may register for the Summer Session.

June 9—Honour Matriculation examinations begin at the University and at all Collegiate Institutes and High Schools in Ontario.

June 11—Junior Matriculation examinations begin at the University and at all Collegiate Institutes and High Schools in Ontario.

July 5—Summer School opens.

July 15—Last day for receiving applications, accompanied by fee, from extra-mural students for new centres for the Arts Supplemental examinations or from intra-mural students writing at new outside centres.

Aug. 1—Last day for receiving applications, accompanied by fee, from extra-mural students for the Arts Supplemental examinations or from intra-mural students writing at outside centres.

Aug. 13—Summer School closes.

Sept. 1—Notice due at the Department of Education of candidates' intention to write on the Supplemental Matriculation examinations. This notice must be accompanied by the proper fees.

Sept. 1—Last day for receiving applications, accompanied by fee, from intra-mural students for Arts Supplemental examinations.

Sept. 7—Supplemental Matriculation examinations begin.

Sept. 14—Arts Supplemental examinations begin.

Sept. 29—Classes open in Arts at 8 a.m. Registration begins.

Oct. 1—Last day of registration for intra-mural students without extra fee.

Oct. 8—Last day of registration for intra-mural students who have not previously obtained from the Senate permission to register later.

Oct. 15—Last day of registration for extra-mural students.

Oct. 16—University Day.

Dec. 1—First day upon which extra-mural students may transfer to intra-mural classes.

Dec. 22—Christmas Holidays begin at 5 p.m.

1916.

Jan. 4—Classes re-open at 8 a.m.

Jan. 15—Last day for receiving applications from candidates for the M. C. Cameron Scholarship in Gaelic.

Feb. 1—Last day upon which students in Preparatory classes may transfer to Junior classes in the same subjects.

Feb. 15—Last day for receiving applications, accompanied by fee, from extra-mural students for new centres for the April examinations.

Mar. 1—Last day for receiving applications, accompanied by fee, from extra-mural students for the April examinations.

Mar. 8—Ash Wednesday; a holiday.

Mar. 20—Last day for receiving theses for Ph.D. and essays for University Prizes.

Mar. 22—Last day for receiving intra-mural graduation and April examination fees.

Mar. 22—Last day for receiving applications from intra-mural students for the April examinations.

Mar. 29—Class work closes at 5 p.m.

April 3—Examinations begin.

April 21—Good Friday; a holiday.

April 24—Statutory meeting of Senate for awarding degrees, etc.

April 26—Convocation for distributing Prizes, announcing Honours, and conferring Degrees.

TIME TABLE FOR CLASSES.

Italics denote Pass subjects; P. denotes Preliminary Honours; I., Intermediate Honours; F., Final Honours.

	8	9	10	11
Monday	(A) Junior English (B) Junior English Politics Senior Mathematics Senior Hebrew P. German P. & F. Chem., Lab. P. Mathematics F. Mathematics A.	(B) Senior Latin Senior Physics (A) Junior Philosophy English History (A) Junior French Animal Biology Prep. Greek P. & F. Pol. Science P. & F. Chem. Lab. F. Mathematics B. F. Botany	Junior Latin (A) Senior French Economics (A) Jr. Physics, Lab. Botany P. & F. Latin P. & F. French I. & F. Philosophy P. History P. & F. An. Biology P. Geology P. & F. Chem., Lab.	(A) Senior Latin Junior German Junior Chemistry (A) Jr. Physics, Lab. P. Mineralogy P. & F. Greek P. & F. English F. Philosophy P. Botany P. & F. Chem., Lab.
Tuesday	(A) Junior English (B) Junior English Junior Hebrew Senior Chemistry P. & F. German F. Animal Biology F. Mineralogy P. Mathematics F. Mathematics A. P. Chemistry	(B) Senior Latin Senior Physics (B) Junior Philosophy Senior Philosophy European History (A) Junior French Prep. Greek I. & F. Philosophy F. Pol. Science F. Animal Biology F. Mathematics B.	Junior Latin (A) Senior French (A) Senior English Politics Botany P. & F. Latin F. History P. Animal Biology P. Geology P. Physics	(A) Senior Latin Junior German Mineralogy F. Greek P. & F. English F. Botany F. Geology
Wednesday	(A) Junior English (B) Junior English Senior Philosophy Senior Hebrew P. & F. German F. Animal Biology P. Chemistry F. Mathematics A. I. Mathematics F. Physics	(B) Senior Latin (A) Junior Philosophy English History (A) Junior French Animal Biology Prep. Greek P. & F. Pol. Science P. Chemistry F. French P. Philosophy F. Mathematics B.	Junior Latin (A) Senior French (A) Senior English Senior Chem., Lab. Economics Botany P. & F. Latin F. German P. History F. Animal Biology P. Geology F. Chemistry Exp. Honour Physics P. Chemistry, Lab.	(A) Senior Latin Junior German Senior Mathematics Junior Chemistry Senior Chem., Lab. P. & F. Greek P. & F. English F. Philosophy P. Botany F. Geology P. Mineralogy F. Animal Biology P. Chemistry, Lab.
Thursday	(A) Junior English (B) Junior English Senior Mathematics Junior Hebrew P. & F. German F. Mineralogy F. Mathematics A. P. Mathematics	(B) Senior Latin Senior Physics (B) Junior Philosophy (A) Junior French Senior Philosophy European History Prep. Greek F. Political Science F. Animal Biology P. & F. Chemistry F. Mathematics B. I. & F. Philosophy F. Physics	Junior Latin (A) Senior French Politics Botany P. & F. Latin F. History P. Physics P. Animal Biology P. Geology F. Chemistry F. Physics	(A) Senior Latin Junior German Junior Chemistry F. Greek P. & F. English F. Botany F. Geology F. Physics
Friday	Junior Hebrew A. & B. Sr. English Geology P. German P. Mineralogy F. Chemistry P. Mathematics F. Mathematics A.	(B) Senior Latin (A) Junior Philosophy English History (A) Junior French Animal Biology Prep. Greek P. Philosophy P. & F. Pol. Science F. Chemistry, Lab. F. Mathematics B.	Junior Latin (A) Senior French Economics Mineralogy Botany, Lab. P. Animal Biology P. & F. Latin F. German P. History F. Animal Biology P. Geology P. Physics F. Chemistry, Lab.	(A) Senior Latin Junior German Mineralogy Senior Chem., Lab. P. & F. Greek P. & F. English F. Geology F. Chemistry, Lab. F. Animal Biology P. Botany I. Mathematics F. Mathematics B.
Saturday	Senior Hebrew F. Chemistry	(A) Jr. Chem., Lab. P. & F. Chemistry	(A) Jr. Chem., Lab. P. & F. Chemistry	(A) Jr. Chem., Lab. P. & F. Chemistry F. Animal Biology

TIME TABLE FOR CLASSES.

Italics denote Pass subjects; P. denotes Preliminary Honours; I., Intermediate Honours; F., Final Honours.

	12	I	2	3	4
ay	(B) Junior French (B) Senior French Junior Greek Senior Greek Senior German Prep. Latin P. & F. French	F. Chem., Lab.	(A) Jr. Mathematics (A) & (B) Sr. English (B) Jr. Chem., Lab. P. Philosophy P. & F. Botany, Lab. F. Chemistry, Lab. P. Animal Biology I. Mathematics	(B) Jr. Mathematics (B) Jr. Chem., Lab. Colonial History F. Chemistry, Lab. Anglo-Saxon P. Mathematics P. & F. Botany, Lab. F. Geology F. Physics F. Mathematics A.	Prep. German (B) Jr. Chem., Lab. English Bible F. Chemistry, Lab. F. Mineralogy
ay	(B) Junior French (B) Senior French Junior Greek Senior Greek Senior German Junior Physics P. & F. French I. & F. Philosophy	F. Mineralogy P. & F. An. Biology	(A) Jr. Mathematics (B) Senior English Geology P. & F. Chem., Lab. F. Mineralogy P. & F. Botany, Lab. F. History	(B) Jr. Mathematics (B) Junior Physics I. & F. Philosophy P. & F. Chem., Lab. P. & F. Botany, Lab. I. Mathematics	Prep. French English Bible P. & F. Chem., Lab. F. Botany, Lab.
esday	(B) Junior French (B) Senior French Junior Greek Senior Greek Senior German Prep. Latin P. & F. French	F. Mineralogy	(A) Jr. Mathematics (A) Sr. English Senior Chem., Lab. I. & F. Philosophy P. Chemistry P. & F. Botany, Lab. I. Mathematics	(B) Jr. Mathematics (B) Sr. Chem., Lab. (B) Jr. Physics, Lab. (B) Senior English Colonial History P. Chemistry, Lab. P. Mathematics P. & F. Botany, Lab. F. Animal Biology F. Physics	Prep. German (B) Jr. & Sr. Physics, Lab. P. Chem., Lab.
day	(B) Junior French (B) Senior French Junior Greek Senior Greek Senior German Junior Physics P. & F. French I. & F. Philosophy	P. & F. An. Biology	(A) Jr. Mathematics (B) Senior English P. Mineralogy P. & F. Botany, Lab. F. Animal Biology F. History	(B) Jr. Mathematics (A) (C) Jr. Physics Colonial History P. Philosophy P. Chemistry Anglo-Saxon P. & F. Botany, Lab. I. Mathematics	Prep. French Univ. Y.M.C.A. P. & F. An. Biology F. Botany
y	(B) Junior French (B) Senior French Junior Greek Senior Greek Senior German Prep. Latin F. Latin P. French P. & F. An. Biology F. Philosophy		(A) Jr. Mathematics (A) & (B) Sr. English (B) Junior Philosophy Geology P. & F. Botany, Lab. P. Animal Biology P. Chemistry, Lab.	(B) Jr. Mathematics (C) Jr. & Sr. Physics, Lab. Senior Hebrew European History P. & F. Botany, Lab. F. Animal Biology P. Chemistry, Lab.	Prep. German (C) Jr. & Sr. Physics, Lab. P. Animal Biology P. Chemistry, Lab.
day					

TIME TABLE FOR EXAMINATIONS. Supplemental Junior and Honour Matriculation.

SEPTEMBER, 1915.

	9.00-11.30 a.m.	1.30-4.00 p.m.
Tuesday, September	7—Exp. Science (Phys.).	History (B. & C.).
Wednesday, “	8—Exp. Science (Chem.).	History (Ancient).
Thursday, “	9—French Authors.	French Composition.
Friday, “	10—Latin Auth., Vergil, &c.	Latin Comp., Caesar, &c.
Monday, “	13—Geometry.	Eng. Literature.
Tuesday, “	14—Algebra.	Eng. Composition.
Wednesday, “	15—German Authors.	German Composition.
Thursday, “	16—Greek Authors.	Greek Composition.
Friday, “	17—{Arithmetic. Trigonometry.	Eng. Grammar.

NOTE—At all examinations in Mathematics candidates should provide themselves with a ruler (showing millimetres and sixteenths of an inch), a pair of compasses, and a protractor.

Supplemental Pass Examinations in Arts.

SEPTEMBER, 1915.

	9-12 a.m.	2-5 p.m.
Tuesday, September	14—Jr. Latin.	Sr. Latin.
Wednesday, “	15—Economics.	Politics.
Thursday, “	16—Jr. English.	Sr. English.
Friday, “	17—English History.	Modern History.
Saturday, “	18—Jr. Philosophy.	Sr. Philosophy.
Monday, “	20—Jr. Physics.	Sr. Physics.
Tuesday, “	21—Jr. Mathematics.	Sr. Mathematics.
Wednesday, “	22—Pass Mineralogy. *Jr. French.	Pass Geology. **Sr. French.
Thursday, “	23—Jr. Greek. *Jr. German.	Sr. Greek. **Sr. German.
Friday, “	24—Pass Botany.	Pass Animal Biology.
Saturday, “	25—Jr. Chemistry.	Sr. Chemistry.
Saturday, October	9—Jr. Hebrew.	Sr. Hebrew.

*8.30 Dictation.

**1.30 Dictation.

Pass Examinations in Arts.

APRIL, 1916.

		9-12 a.m.	2-5 p.m.
Monday,	April	3—*Jr. and Sr. French.	Pass Geology.
Tuesday,	"	4—Jr. and Sr. English.	
Wednesday,	"	5—Jr. Chemistry.	Colonial History.
Thursday,	"	6—Sr. Chemistry.	
Friday,	"	7—Jr. and Sr. Latin.	English History.
Saturday,	"	8—Jr. and Sr. Mathematics.	
Monday,	"	10—Jr. Philosophy.	Pass Animal Biology.
Tuesday,	"	11—Sr. Philosophy.	
Wednesday,	"	12—Economics.	Politics.
Thursday,	"	13—Modern History.	
Friday,	"	14—Jr. Physics.	
Saturday,	"	15—*Jr. and Sr. German.	Sr. Physics.
Monday,	"	17—Jr. and Sr. Greek.	{ Jr. and Sr. Hebrew. Pass Mineralogy.
Tuesday,	"	18—Pass Botany.	

*8.30 Dictation.

Honour Examinations in Arts.

APRIL, 1916.

The Time Table for Honour examinations will be issued in March and will be sent to extra-mural students at that time.

HISTORY AND ORGANIZATION OF THE UNIVERSITY.

Queen's University owes its origin to the desire of the Synod of the Presbyterian Church in Canada in connection with the Church of Scotland for a ministry trained within the country. As early as 1832 the Provincial Government had been petitioned "to endow without delay an institution, or professorships, for the education and training of young men for the ministry in connection with the Synod." This and other representations failing of their object, steps were taken by the Synod to found a college at Kingston on the lines of the Scottish National Universities, and committees were formed for soliciting subscriptions for an Endowment Fund. On October 16, 1841, a Royal Charter was issued by Her Majesty Queen Victoria for the establishment of Queen's College, Kingston, and the first classes were opened in March, 1842, with the Rev. Dr. Liddell as Principal. Funds were provided in part by grants from the Presbyterian Church in Scotland, and from the Canadian Government, and in part by the liberal subscriptions from the friends of the young and growing University. Owing to the lack of good schools in the province it was found necessary at first to establish a preparatory school in connection with the College. In spite of many obstacles and of straitened circumstances, progress was steady, and financial difficulties were tided over by the unwearied efforts of the early friends of Queen's. In 1867-68 the withdrawal of the Provincial grant, and the failure of the Commercial Bank, which swept away the greater part of the endowment, brought the affairs of Queen's to a low ebb. The crisis was met by the determination of Principal Snodgrass and of other self-denying workers, chief among whom was Professor Mackerras. Through their labours the country was canvassed for subscriptions, and as a result of the widespread interest aroused, \$113,000 was subscribed, and the crisis passed.

In 1877 Principal Snodgrass was succeeded by the Rev. G. M. Grant, who for a quarter of a century built with brilliant success

upon the foundation laid by his predecessors. Himself a born leader and splendid worker, he gathered round him an enthusiastic band of helpers, and under him growth and development went on with great rapidity in every department of the University. By 1881 Queen's had a new building, an enlarged staff, and a great increase of students. In 1887 as the result of an effort in commemoration of the Queen's Jubilee, \$250,000 was raised, resulting in further extension, and in the establishment of new professorships.

Principal Grant died in 1902, and was succeeded in the following year by the Very Rev. D. M. Gordon. Since then the University has more than doubled in the number of its professors, its students, and its buildings, and over \$500,000 has been added to the endowment.

In 1854 the Medical Faculty of Queen's was established. It was re-organized in 1865 as the Royal College of Physicians and Surgeons in affiliation with the University. In 1891 the original status was resumed, and since then progress has been steady and rapid. Additional buildings have been provided for class rooms and laboratories, and increased facilities secured for clinical work in the General Hospital, the Hotel Dieu, Rockwood Hospital, and the Mowat Memorial Hospital.

Queen's led the way in co-education. As early as 1870 special classes in English and other subjects were formed for women, but the academic career leading to a degree was not thrown open to them until 1878-79. In 1880 co-education was extended to the medical course, but in 1883 a separate Women's Medical College was opened and affiliated with Queen's. In 1894 similar facilities being offered in Toronto and elsewhere, it was closed.

The School of Mining was founded in 1893 under an Ontario Charter which placed its management in the hands of a Board of Governors elected by its shareholders, i.e., the subscribers to its funds. For several sessions all its Departments were housed in Carruthers Science Hall which had been erected in 1889, but in view of the rapid success and increased requirements of the School the Provincial Legislature in 1900 provided for its accommodation two large buildings, Ontario Hall for the Departments of Mineralogy, Geology, and Physics, and Fleming Hall for the

Departments of Civil, Mechanical, and Electrical Engineering. More recently the Provincial Government erected Gordon Hall, which is entirely devoted to Chemistry, and, through the generosity of Professor Nicol and other graduates, Nicol Hall has been built for the accommodation of the class rooms and laboratories of the Department of Mining and Metallurgy.

The relation of the School of Mining to the University is closer than that which is ordinarily implied in affiliation. Although its financial affairs are directed by a separate Board of Governors, yet the Staff constitutes practically the Science Faculty of the University. Some of its members are actively connected also with the Arts and Medical Faculties, and it is equally with those Faculties represented on the Senate of the University. The students of the School of Mining receive their Degrees from the University, and the graduates in Science have the same rank and privilege as the other graduates in representation upon the University Council and in the election of University Trustees. No distinction is drawn. They are all Alumni of Queen's.

In 1907 the Faculty of Education was organized for the purpose of training teachers for the secondary schools of Ontario. Its revenues consist chiefly of the annual grant of the Provincial Government.

There is now upon the University Campus a stately group of buildings, comprising the Old Arts Building (now the Theological Building); Carruthers Hall (Civil Engineering); the New Arts Building, the gift of the city of Kingston; Grant Hall, erected by the students to the memory of the late Principal Grant; Ontario Hall (Physics, Mineralogy, and Geology); Fleming Hall (Mechanical and Electrical Engineering); Gordon Hall (Chemistry); Nicol Hall (Metallurgy); the Medical Building; the Medical Laboratories Building; a spacious Gymnasium; and a well equipped Observatory. The Library, which contains about 70,000 volumes, is in the Old Arts Building, though a separate and more extensive structure has become a necessity. Equally needed are residences both for men and women and a students' Union.

Queen's has long been nation-wide in its work and influence. The University has contributed materially to the higher education of the Eastern provinces and has been intimately concerned with the intellectual development of the newer regions westward. With the great expansion of recent years have come new problems and the need of firmer organization. So, as the result of an amicable arrangement between the Presbyterian Church and the Trustees of the University, certain constitutional changes were made in April, 1912, by an Act of the Dominion Parliament (2 George V, Chap. 138). This Act removed such denominational restrictions as remained and made possible a more vital connection between the University and its affiliated schools.

GOVERNMENT AND ADMINISTRATION.

The administration of the University is vested in three bodies: the Board of Trustees, the University Council, and the Senate.

The Board of Trustees.

The Board of Trustees consists partly of *ex-officio* members and partly of those elected to represent the various interests in the University. Those who are members because of the offices they hold are the Chancellor, the Principal, and the Rector. The elected members consist of one representative from each affiliated college, representatives as provided for by the Statutes from (a) the University Council, (b) the Benefactors, (c) the Graduates, and members elected by the Board of Trustees holding office.

The Board of Trustees is charged with the management of the finances, the engagement of the members of the University staff, the possession and care of the property, legislation, and in general those external matters that do not relate directly to instruction.

The University Council.

The University Council consists of the Chancellor, the Trustees, the members of the Senate, and an equal number of members elected by the Graduates.

The Chancellor is elected by the Council, except when two or more candidates are nominated, in which case the election is by registered graduates and alumni. He holds office for three years; and, as the highest officer of the University, presides at meetings of the Council and Convocation and at statutory meetings of Senate. In his absence he is represented by the Vice-Chancellor.

Of the elected members eight retire annually, except in every sixth year, when ten retire. Successors are elected by registered graduates and alumni.

The Council has power (1) to elect six trustees, two of whom shall retire annually; (2) to make by-laws governing the elections of (*a*) the Rector by the registered students, (*b*) four trustees by the benefactors, (*c*) six trustees by the University Council, (*d*) six trustees by the graduates; (3) to discuss all questions relating to the University and its welfare; (4) to make representation of its views to the Senate or Board of Trustees; (5) to decide on proposals for affiliation; (6) to arrange all matters pertaining to (*a*) its own meetings and business, (*b*) the meetings and proceedings of Convocation, (*c*) the installation of the Chancellor, (*d*) the fees for membership, registration, and voting.

The annual meeting of the Council is held on the Tuesday immediately preceding Convocation.

The Senate.

Until 1913 the Senate was composed of all the Professors, Associate Professors, and Assistant Professors on the staff of the University. It transacted all business relating to the work of instruction, the arrangement of classes, the conduct of examinations, and the award of standing, having charge in general of the internal administration of the University.

In 1913, however, Faculty Boards were created to relieve the Senate of much work which, owing to the growth of the University, had increasingly devolved upon it, and at the same time the Senate was made a representative body composed of certain members of the various Faculties.

The Senate now consists of:

The Principal.

The Vice-Principal.

The Principal of Queen's Theological College.

The Dean of the Faculty of Arts.

The Dean of the Faculty of Medicine.

The Dean of the Faculty of Science (School of Mining).

The Dean of the Faculty of Education.

Three Professors elected by the Faculty of Arts.

Two Professors elected by the Faculty of Queen's Theological College.

Three Professors elected by the Faculty of Medicine.

Three Professors elected by the Faculty of Science (School of Mining).

The present elective members of the Senate are as follows:

Faculty of Arts, Professors Clark, Campbell, and Mitchell.

Faculty of Queen's Theological College, Professors Jordan and Scott.

Faculty of Medicine, Dr. Knight, Dr. Ryan, and Dr. W. T. Connell.

Faculty of School of Mining, Professors Gill, Gwillim, and M. B. Baker.

The Functions of the Senate are:

To determine all matters of academic character which concern the University as a whole;

To consider and determine as to all courses of study leading to a degree, including conditions of Matriculation, on recommendation of the respective Faculty Boards. But the Senate shall not embody any changes without having previously presented these to the Faculty;

To recommend to the Governing Boards the establishment of any additional Faculty, Department, Chair, or Course of Instruction in the University;

To be the medium of communication between the Alma Mater Society and the Governing bodies;

To determine all regulations regarding Social Functions of the students within the University, and regarding the University Library and University Reading Rooms;

To publish the University Calendar;

To conduct Examinations;

To grant Degrees;

To award University Scholarships, Medals, and Prizes;

To enforce the Statutes, Rules, and Ordinances of the University;

And generally, to make such recommendations to the Governing Boards as may be deemed expedient for promoting the interests of the University;

"Provided that nothing in the above provisions shall in any manner interfere with the rights and powers at present invested in the Governors of the School of Mining in the administration of its internal affairs, financial and otherwise."

The Faculty Boards are constituted as follows :

For the Faculty of Arts and for the Faculty of the School of Mining, the Dean, Professors, Associate Professors, Assistant Professors, and Lecturers of each Faculty have power to meet as separate boards, and to administer the affairs of each Faculty under such regulations as the Board of Trustees of the University and the Board of Governors of the School of Mining may respectively prescribe.

For the Faculty of Medicine, the Dean, Professors, Associate Professors, and Assistant Professors have power to meet as a separate board, and to administer the affairs of the Faculty under such regulations as the Board of Trustees may prescribe.

The Principal is *ex-officio* president and a member of each of the foregoing Faculty Boards. In his absence from the Arts Faculty the Vice-Principal shall preside. In his absence from the Medical Faculty, or from the Faculty of the School of Mining, the Dean of the Faculty shall preside.

The Functions of the Faculty Board are :

To recommend to the Senate courses of study leading to a degree, and the conditions of admission ;

To decide upon applications for admission or for change of course, subject to regulations of Senate ;

To submit to the Senate names for both ordinary and honorary degrees ;

To arrange the time-table for classes and edit the Faculty Calendar, subject to the approval of the Senate ;

To control registration, and determine the amount of fees and manner of payment, subject to regulations of Senate ;

To deal with class failures ;

To exercise academic supervision over students ;

To make such recommendations to the Senate as may be deemed expedient for promoting the efficiency of the University ;

To award Faculty Scholarships, Medals, and Prizes ;

To appoint such sessional assistants, fellows, tutors, and demonstrators as shall be needed to give instruction in the subjects taught by the Faculty ;

To pass such regulations and by-laws as may be necessary for the exercise of the functions of the Faculty.

UNIVERSITY OFFICERS.

BOARD OF TRUSTEES.

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REV. S. W. DYDE, M.A., D.Sc., LL.D.....	Rector
PRINCIPAL D. ROSS, M.A., D.D.,.....	Representing the Theological College
HAMILTON CASSELS, M.A., K.C., LL.D.,	Chairman of the Board.

Retire 1918.

HON. JAMES MACLENNAN, LL.D.....	Toronto
HIS HONOUR D. B. MCTAVISH, M.A.....	Ottawa
E. R. PEACOCK, M.A.	London, Eng.
<i>a</i> W. F. NICKLE, B.A., K.C., M.P.....	Kingston
<i>b</i> G. F. HENDERSON, ESQ.	Ottawa
<i>c</i> A. SHORTT, M.A., LL.D.....	Ottawa
<i>c</i> R. A. WILSON, M.A., Ph.D.....	Regina

Retire 1917.

A. T. DRUMMOND, B.A., LL.D.....	Toronto
J. K. MACDONALD, ESQ.	Toronto
REV. M. MACGILLIVRAY, M.A., D.D.....	Kingston
<i>a</i> P. C. MCGREGOR, B.A., LL.D.....	Almonte
<i>b</i> NATHAN F. DUPUIS, M.A., LL.D., F.B.S.....	Kingston

Retire 1916.

REV. W. T. HERRIDGE, D.D.....	Ottawa
ALEXANDER LAIRD, ESQ.	Toronto
COLONEL W. A. LOGIE, M.A., LL.B.....	Hamilton
<i>a</i> JAMES DOUGLAS, B.A., LL.D.....	New York
<i>a</i> DONALD M. MCINTYRE, B.A., K.C.....	Toronto
<i>b</i> REV. G. M. MILLIGAN, D.D., LL.D.....	Toronto
<i>c</i> HAMILTON CASSELS, M.A., K.C., LL.D.....	Toronto
<i>c</i> J. M. FARRELL, B.A.	Kingston

Retire 1915.

REV. W. J. CLARK, D.D.....	Montreal
REV. D. R. DRUMMOND, D.D.....	Hamilton
D. B. MACLENNAN, ESQ.....	Cornwall
<i>a</i> H. A. CALVIN, ESQ.....	Kingston
<i>a</i> ANDREW HAYDON, M.A., LL.B.....	Ottawa
<i>b</i> ARTHUR B. CUNNINGHAM, B.A.....	Kingston
<i>c</i> SIR J. S. WILLISON, LL.D.....	Toronto
<i>c</i> REV. EBER CRUMMY, B.Sc., D.D.....	Winnipeg

a Elected by University Council.

b Elected by the benefactors.

c Elected by the graduates.

UNIVERSITY COUNCIL.

ELECTIVE MEMBERS IN THE ORDER OF THEIR RETIRING.

Retire 1920.

*H. A. CALVIN, ESQ.	Kingston
MISS EDNA POOLE, B.A.	Toronto
REV. J. W. MCINTOSH, M.A.	Kingston
HIS HONOUR A. G. FARRELL, B.A.	Moosomin, Sask.
REV. S. HARPER GRAY, B.A.	Toronto
G. F. HAMILTON, M.A.	Ottawa
*JAS. DOUGLAS, B.A., LL.D.	New York
E. T. CORKILL, B.Sc., M.E.	Toronto

Retire 1919.

H. M. MOWAT, B.A., LL.B., K.C.	Toronto
MRS. H. A. LAVELL, B.A.	Smith's Falls
REV. JAS. WALLACE, M.A., B.D.	Kingston
H. R. DUFF, M.D.	Kingston
G. F. MACDONNELL, M.A.	Ottawa
F. J. POPE, M.A., Ph.D.	New York
T. J. RIGNEY, B.A.	Kingston
REV. J. A. DONNELL, M.A.	Haileybury

Retire 1918.

*P. C. MCGREGOR, B.A., LL.D.	Almonte
REV. EBER CRUMMY, B.Sc., D.D.	Winnipeg
R. S. MINNES, M.A., M.D.	Ottawa
J. McD. MOWAT, B.A.	Vancouver
JAMES A. MINNES, B.A.	Kingston
MISS MARION REDDEN, B.A.	Kingston
J. J. MACLENNAN, B.A.	Toronto
ARTHUR B. CUNNINGHAM, B.A.	Kingston

Retire 1917.

*DONALD M. MCINTYRE, B.A., K.C.	Toronto
REV. J. D. BOYD, B.A.	Kingston
REV. JAMES H. TURNBULL, M.A.	Ottawa
G. F. HENDERSON, B.A., K.C.	Ottawa
HIS HONOUR D. B. MCTAVISH, M.A.	Ottawa
COLONEL D. M. ROBERTSON, B.A.	Toronto
MISS J. THOMPSON, B.A.	Almonte
ROBERT CRAWFORD, B.A.	Kingston

Retire 1916.

G. Y. CHOWN, B.A.....	Kingston
REGINALD W. BROCK, M.A.....	Ottawa
COLONEL W. A. LOGIE, M.A., LL.B.....	Hamilton
HIS HONOUR E. B. FRALECK, B.A.....	Belleville
REV. D. MCTAVISH, M.A., D.Sc.....	Toronto
R. H. COWLEY, M.A.	Toronto
W. H. RANKIN, M.D.....	Brooklyn, N.Y.
REV. W. W. PECK, M.A., LL.B.....	Vancouver

Retire 1915.

FRANCIS KING, M.A.	Kingston
*W. F. NICKLE, B.A., K.C., M.P.....	Kingston
D. D. CALVIN, B.A.....	Toronto
REV. D. STRACHAN, B.A., D.D.....	Toronto
T. H. FARRELL, M.D.....	Utica, N.Y.
REV. JAMES BINNIE, M.A., B.D.....	Parry Sound
*ANDREW HAYDON, M.A., LL.B.....	Ottawa
J. B. TURNER, M.A.....	Hamilton
J. H. MILLS, M.A.....	Toronto
D. A. MCARTHUR, M.A.....	Toronto

* Elected by University Council as their representatives on the Board of Trustees.

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SIR SANDFORD FLEMING, C.E., K.C.M.G., LL.D.

PRINCIPAL AND VICE-CHANCELLOR.

VERY REV. DANIEL MINER GORDON, M.A., D.D., LL.D.

RECTOR.

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VICE-PRINCIPAL.

JOHN WATSON, M.A., LL.D.

REGISTRAR.

GEORGE Y. CHOWN, B.A.

OFFICERS OF INSTRUCTION.

I.—Professores Emeriti.

(Retired from active work, but retaining rank and title.)

- NATHAN F. DUPUIS, M.A., LL.D., F.B.S. (Edin.),
Emeritus Professor of Mathematics,
144 University Avenue.
- REV. GEORGE D. FERGUSON, B.A., LL.D.,
Emeritus Professor of History,
125 Bagot Street.
- D. H. MARSHALL, M.A., F.R.S.E.,
Emeritus Professor of Physics,
Union Street.
- REV. JAMES FOWLER, M.A., F.R.S.C.,
Emeritus Professor of Botany,
121 Union Street.

II.—Members of the Staff in Active Service.

A.—IN ARTS.

- JOHN WATSON, M.A., LL.D.,
*The John and Ella G. Charlton Professor of Moral
Philosophy,* 122 Union Street.
- JAMES CAPPON, M.A.,
*Professor of English Language and Literature,
and Dean of the Arts Faculty,* 26 Barrie Street.
- J. MACGILLIVRAY, Ph.D. (Leipsic),
Professor of German, 96 Albert Street.
- A. P. KNIGHT, M.A., M.D., F.R.S.C.,
*The John Roberts Professor of Animal Biology and
Physiology,* Alice Street.
- REV. W. G. JORDAN, B.A., D.D.,
Professor of Semitic Languages and Literature, 116 Barrie Street.
- P. G. C. CAMPBELL, M.A. (Oxon.),
Professor of Romance Languages, 57 George Street.
- T. CALLANDER, M.A. (Abdn., Oxon.),
Professor of Greek, 28 Wellington Street.
- J. L. MORISON, M.A.,
Professor of History, 199 William Street.
- W. T. MACCLEMENT, M.A., D.Sc.,
The John Roberts Allan Professor of Botany, University Grounds.
- OSCAR D. SKELTON, M.A., Ph.D.,
*The Sir John A. Macdonald Professor of Political and
Economic Science,* 148 University Avenue.
- W. L. GRANT, M.A., F.R.S.C.,
The James Douglas Professor of Colonial History, 152 University Avenue.
- JOHN MATHESON, M.A.,
Professor of Mathematics, Alice Street.

- A. S. FERGUSON, M.A. (Oxon., St. A.),
Junior Professor of Philosophy,
239 Albert Street.
- ALFRED E. CODD, M.A. (Oxon.), B.A. (Wales),
Professor of Latin,
37 Union Street W.
- G. W. MITCHELL, M.A.,
Professor of Classics,
98 Bagot Street.
- W. W. SWANSON, M.A., Ph.D.,
Associate Professor of Political Science,
182 University Avenue.
- W. E. MCNEILL, M.A., Ph.D. (Harv.),
Associate Professor of English,
91 Albert Street.
- REV. H. T. WALLACE, B.A., Ph.D.,
*The Robert Waddell Associate Professor of Semitic
Languages and Literature,*
208 Albert Street.
- J. F. MACDONALD, M.A.,
Assistant Professor of English,
175 Stuart Street.
- D. BUCHANAN, M.A., Ph.D.,
Assistant Professor of Mathematics,
142 Stuart Street.
- C. F. GUMMER, M.A.,
Assistant Professor of Mathematics,
137 Union Street.
- W. D. TAYLOR, M.A. (Glasgow), B.A. (Oxon.),
Assistant Professor of English,
159 Stuart Street.
- NORMAN J. SYMONS, B.A. (Oxon.),
Assistant Professor of Philosophy,
102 Frontenac Street.
- L. D. FALLIS, B.A.,
Assistant Professor of Public Speaking,
85 Beverly Street.
- J. D. CRAIG, M.A. (St. A.), B.A. (Oxon.),
Assistant Professor of Classics,
45 William Street.
- A. B. KLUGH, M.A.,
Lecturer in Animal Biology,
160 King Street.

- FRED B. MILLETT, B.A.,
Lecturer in English,
45 William Street.
- A. E. LAYNG, M.A., LL.D. (T. C. D.),
Lecturer in Classics,
45 William Street.
- L. HARRISON, B.A. (Cantab.), L-ès-L. (Paris),
Lecturer in French,
156 Bagot Street.
- J. P. R. MARICHAL, L-ès-L. (Paris), B-ès-Sc. (Caen),
Lecturer in French,
472 Barrie Street.
- J. H. BROVEDANI, Docteur de l'Université de Rennes (Lettres),
Lecturer in Italian and Spanish,
20 Stuart Street.
- THURE HEDMAN, Ph.B.,
Lecturer in German,
141 King Street.
- A. E. PRINCE, M.A. (Manchester),
Lecturer in History,
199 William Street.
- MISS WILHELMINA GORDON, M.A.,
Instructor in English,
University Grounds.

B.—IN ARTS AND PRACTICAL SCIENCE.

- WILLIAM L. GOODWIN, B.Sc. (Lond.), D.Sc. (Edin.), F.R.S.C.,
Professor of Chemistry, and Dean of the School of
Mining,
Alice Street.
- WILLIAM NICOL, M.A.,
Professor of Mineralogy,
203 Albert Street.
- A. L. CLARK, M.A., Ph.D.,
Professor of Physics,
200 Albert Street.
- M. B. BAKER, B.A., B.Sc., F.G.S.A.,
Professor of Geology,
45 William Street.
- W. O. WALKER, M.A.,
Associate Professor of Organic Chemistry,
147 Collingwood Street.

- W. C. BAKER, M.A.,
*Associate Professor of Experimental Physics on
The Robert Waddell Foundation,* 135 Centre Street.
- JOHN WADDELL, B.A., D.Sc., Ph.D.,
Assistant Professor of Chemistry, 132 Earl Street.
- L. F. GUTTMANN, Ph.D.,
Assistant Professor of Chemistry, 46 Earl Street.
- JESSE E. HYDE, M.A.,
Assistant Professor of Geology, 208 Albert Street.
- W. D. BONNER, M.A., Ph.D.,
Assistant Professor of Chemistry, 44 Collingwood Street.
- D. S. ELLIS, M.A., B.Sc.,
Assistant Professor of Applied Mathematics, 209 Albert Street.
- JOHN M. ADAMS, M.A., Ph.D.,
Assistant Professor of Physics, 45 William Street.
- J. A. McRAE, M.A.,
Lecturer in Chemistry, 184 University Avenue.
- V. E. POUND, M.A., Ph.D.,
Lecturer in Physics, 138 Nelson Street.
- J. K. ROBERTSON, M.A.,
Lecturer in Physics, 207 William Street.
- D. W. MUNN, M.A., M.Sc., S.M.,
Lecturer in Mathematics, 122 Colborne Street.
- E. T. STERNE, B.Sc.,
Lecturer in Chemistry, 236 Barrie Street.
- C. S. ALLIN, B.A.,
Lecturer in Mathematics, 93 Frontenac Street.

III.—Fellows, Tutors, and Assistants.

MISS ALMA PRICE, M.A.,
Fellow in French.

A. D. MATHESON, M.A.,
Fellow in Philosophy.

JOHN MACKINNON, M.A.,
Fellow in Philosophy.

HUMFREY MICHELL, M.A.,
Fellow in Political and Economic Science.

T. JABINE, B.Sc.,
Fellow in Chemistry.

W. M. GOODWIN, B.Sc.,
Fellow in Mineralogy.

P. C. CAVERHILL, B.A.,
Tutor in Latin.

A. G. SCOTT, B.A.,
Tutor in Latin.

L. G. KEILL, B.A.,
Tutor in Greek.

N. A. ROY,
Tutor in French.

J. S. CORNETT, M.A.,
Tutor in English.

G. E. REAMAN, M.A.,
Tutor in English.

W. H. ADAMSON, M.A.,
Tutor in Mathematics and Demonstrator in Physics.

A. R. BUSH, B.A.,
Tutor in Mathematics.

A. M. WYNNE, B.A.,
Tutor in Botany.

R. G. CANTELLO, B.Sc.,
Assistant in Chemistry.

E. J. FRY, M.Sc.,
Assistant in Chemistry.

J. G. ADAMS, B.A.,
Assistant in Chemistry.

OTHER OFFICERS.

Registrar of University Council.

J. M. FARRELL, B.A.

Observatory Board.

THE PRINCIPAL AND PROFESSOR BUCHANAN.

Curators of Library.

PROFESSORS ROSS, WATSON, MACCLEMENT, AND CAMPBELL.

Librarian.

MISS LOIS SAUNDERS.

Assistant Registrar.

MISS ALICE KING.

Adviser of Women.

MRS. W. E. MCNEILL, M.A.

Supervisor of Studies.

PROFESSOR CAMPBELL.

Curators of Museum.

THE PROFESSORS OF BIOLOGY AND GEOLOGY.

Examiners in Gaelic.

REV. M. MACGILLIVRAY, M.A., D.D., and PROFESSOR JOHN MATHESON, M.A.

GENERAL INFORMATION.

DEGREES.

By the Royal Charter granted to Queen's College, it is "willed, ordained, and granted that the said College shall be deemed and taken to be an University, and that the students in the said College shall have liberty and faculty of taking the degrees of Bachelor, Master, and Doctor in the several Arts and Faculties."

By this authorization Queen's University may confer degrees in Arts, Theology, Medicine, Science, Education, Agriculture, and Law, upon the persons who are deemed eligible by the Senate, and who have complied with the requirements prescribed in respect to such degrees.

The degrees at present conferred under the statutes of the University are as follows:

I.—HONORARY DEGREES.

Doctor of Divinity (D.D.), Doctor of Laws (LL.D.).

II.—DEGREES BY EXAMINATION.

1.—In Arts.

Bachelor of Arts (B.A.), Master of Arts (M.A.), Doctor of Philosophy (Ph.D.).

2.—In Theology.

Bachelor of Divinity (B.D.).

3.—In Medicine.

Bachelor of Medicine (M.B.), Doctor of Medicine (M.D.), Master of Surgery (C.M.), Doctor of Public Health (D.P.H.), Doctor of Science (D.Sc.).

4.—In Science.

Bachelor of Science (B.Sc.), Master of Science (M.Sc.), Doctor of Science (D.Sc.).

5.—In Education.

Bachelor of Pedagogy (B.Paed.), Doctor of Pedagogy (D.Paed.).

6.—In Agriculture.

Bachelor of Science in Agriculture, B.Sc. (Agr.).

EACH DEGREE has its distinctive hood, as follows:—

B.A.—Black, bordered with red silk.

M.A.—Scarlet.

B.D.—White, bordered with crimson plush.

D.D.—Black silk, lined with white silk.

M.B.—Black silk, lined with scarlet, bordered with white.

M.D. and M.D., C.M.—Scarlet, bordered with white.

B.Sc.—Black silk, bordered with yellow (old gold) silk.

M.Sc.—Black silk, lined with yellow, bordered with yellow.

D.Sc.—Yellow silk, bordered with black.

B.Paed.—Purple silk, lined with white silk.

D.Paed.—Purple silk, lined with white, bordered with white.

LL.D.—Black silk, lined with blue silk.

Ph.D.—Black silk, lined with purple, bordered with white.

THE LIBRARY.

The UNIVERSITY LIBRARY contains about 70,000 volumes, besides many thousand pamphlets. Extensive additions have been made during the past few years in all departments. The Canadian section contains many rare and interesting works and valuable historical documents, and is particularly well equipped for research studies.

Many important donations have been received of late years from the British, United States, French, and Italian governments, including the publications of H. M. Stationery Office, and the Han-

sards and Bluebooks of the British Parliament. Other valuable collections of a similar nature and sets of classical, political, scientific, and other works are secured year by year in addition to the annual purchases required for the work of the several departments.

A considerable supply of duplicate works is purchased annually for the use of extra-mural students, who can be provided with the books, other than prescribed text-books, necessary for carrying on their studies.

A large collection of magazines, periodicals, and other publications in all departments, including the journals and transactions of the principal societies, are available in the Library. In most cases these are complete from the first issue and are kept up-to-date by the annual additions.

Lack of space and of proper accommodation for workers is making Library routine increasingly difficult, but as far as is consistent with the present conditions, arrangements have been made both for the ordinary work of the students and for more advanced studies. In the main consulting room adjoining the Library, increased facilities for work have been afforded the students by the addition of several hundred books of reference, dictionaries, encyclopedias, etc., and by the throwing open of the Consulting Library throughout the entire day and evening. An assistant librarian is always present in this room at the reference desk, of whom inquiries regarding the books may be made. A second Consulting Library, also well equipped, is provided in the New Arts Building.

Library Regulations.

1. The Library is open daily, except Sundays, from 9 a.m. to 4.30 p.m. During these hours students may obtain books for use either in the consulting rooms or at their homes.

2. The Reference Library and Reading Room adjoining the Main Library is open from 9 a.m. to 6 p.m. and from 7.30 p.m. to 9.30 p.m. On its open shelves, freely accessible to all students, are to be found the most important books of reference and the various volumes reserved by the different professors in connection with the work of their classes.

3. Students engaged in special work and students in Final Honour classes have access to the shelves of the Library, on the recommendation of an instructor, and have the benefit of individual help from the library staff, when required.

4. Text-books cannot be supplied by the Library.

5. Intra-mural students may ordinarily have as many as three books out at one time. These books may be exchanged as often as desired, but must not be kept for more than one week without a new entry. A student violating this rule is liable to a fine.

6. Books are supplied to extra-mural students under the conditions stated in the section dealing with extra-mural work. (See p. 48). Similar privileges are extended to all graduates of the University.

7. All communications concerning books and inquiries for further particulars regarding the Library and its regulations should be addressed to the Librarian.

THE MUSEUM.

In 1867 Dr. Robert Bell, late of the Geological Survey, Ottawa, was Professor of Geology and Curator of the Museum. He made a collection of geological and biological specimens which have formed the nucleus of our present museum. To these he added generously from time to time, and now the Bell collections of fossils, mammals, birds, and ethnological specimens are among the best we have.

Dr. Bell was succeeded in the curatorship by Professor N. F. Dupuis, and he in turn by Professor Fowler. During Professor Fowler's administration the botanical collection was very largely increased, partly by Professor Fowler's own very complete collection of Maritime Province plants, some 20,000 in number; and partly by contributions from friends of the University in all parts of the world. The latter specimens, 12,000 in number, illustrate the floras of North America, Europe, Asia, South Africa, and Australia.

In ZOOLOGY the Canadian fauna is represented by a large number of prepared specimens of mammals, birds, reptiles, fishes, insects, and mollusca.

In ETHNOLOGY there is a representative collection of the weapons, utensils, dresses, and ornaments of the aborigines of North America, Australasia, Central India, and Formosa. An unusually rich series illustrating the Stone Age handicraft of the North American Indians has recently been acquired from Dr. G. W. McCallum, through the generosity of Dr. Archibald Malloch. The collections relating to Queensland, New Guinea, and the new Hebrides, gathered and presented by a noted ethnologist, Dr. J. P. Thomson, of Brisbane, are among the best in existence, and in some particulars are unique.

LABORATORIES.

In recent years the tendency in scientific work has been to supplement the lectures and book information by demonstrations, investigations, and experiments that deal with actual problems. This has made necessary a large expenditure by the University for the provision of laboratory rooms, equipment, and supplies.

Biological Laboratories.

For the work in ANIMAL BIOLOGY three large laboratories are available. The one for general work in dissection and histological demonstrations is located in the second story of the eastern end of the new Medical Building on Arch street. It is capable of accommodating 120 students, and is provided with all appliances needed in the course. The second, situated in the north of the same building, is used for Practical Histology and microscope work by students in both Arts and Medicine. The third laboratory is for Practical Physiology and occupies the second story of the western end of the Medical Laboratories Building. It is fitted up with instruments manufactured by the Harvard Apparatus Company, and has all appliances necessary for 50 students working at once.

Botanical Laboratories.

The BOTANICAL LABORATORIES occupy three rooms. One is equipped for the work of the Pass classes in Arts and Medicine, and will accommodate sixty students with dissecting microscopes, drawing tables, and projection apparatus. Another laboratory is devoted to practical studies in Plant Morphology and Anatomy, and is completely equipped with compound microscopes, drawing tables, and supplies. The third laboratory is adapted for Plant Physiology and Microtechnique and contains the required apparatus, reagents, water, gas, electric heaters, etc. Individual work is required from all.

Chemical Laboratories.

The CHEMICAL LABORATORIES are situated in Gordon Hall, which was opened for occupancy in the Autumn of 1911. This building is devoted entirely to work in Chemistry, and is thoroughly modern in every detail. There is a large lecture amphitheatre situated on the third floor with a seating capacity of 116, and two small lecture rooms on the first floor. On the third floor are two laboratories for General Chemistry, one for Medical Chemistry, and one for Electro-Analysis. On the second floor are two for Quantitative Analysis, one for Organic Chemistry, one for Food and Water Analysis, and one (not equipped) for whatever future development demands. On the first floor are three for Qualitative Analysis, one for Industrial Chemistry, one for Physical Chemistry, one for Gas Analysis, one for Spectroscopy, and one dark room for Photography. Besides these there are small separate laboratories for research work, organic combustion work, etc. Each member of the permanent staff has his own office and laboratory where he may carry on his private investigations. A centrally located set of supply and store rooms is provided with electric elevator connection. A well lighted Library equipped for both undergraduate and post-graduate study is situated on the second floor.

A double system of ventilation is provided, that for noxious fumes being entirely separate from the one for general ventilation. A special equipment, automatically operated, is provided for compressed air, as well as a low pressure system. Both high and low

pressure steam is provided in the majority of the laboratories and electricity for heating and motor purposes is available throughout the building.

Physical Laboratories.

The PHYSICAL LABORATORIES are situated in the southern half of Ontario Hall. There is a large, well equipped lecture room with seating capacity of 125 on the second floor, and a small lecture and class room on the first floor. Two of the large rooms on the first floor are devoted to the more elementary laboratory work of the first and second years and a commodious room on the second floor is arranged as an electrical laboratory for advanced work. Various smaller rooms are fitted for special purposes. One of them is for work with the optical bench, spectrometry, polarimetry, and spectroscopy. Another is well equipped as a dark room for photography. A third is arranged for X-ray and photometric work. Other rooms are used as private laboratories, offices, apparatus rooms, and store rooms. The library and reading room is a large well lighted room on the second floor.

For description of the laboratories in the School of Mining see the Calendar of the School of Mining.

The Observatory.

The OBSERVATORY is situated on Stuart Street near the corner of University Avenue. It is well equipped for an accurate determination of time and for observational work. There is a transit room, a computing room, and an equatorial room with revolving dome. The equatorial telescope has a six-inch objective, declination and right ascension circles and is equipped with a driving clock. A screw and position micrometer can be adjusted for micrometric measurements. The transit has a three-and-a-half inch objective. Its rotation axis is supported on two pillars of solid stone resting on a concrete foundation which extends down to the solid rock. The further equipment consists chiefly of a striding level, a chronograph, a mean time clock, and a sidereal time clock.

FIELD WORK.

Geology and Mineralogy.

In the vicinity of Kingston a greater variety of economic minerals and metalliferous ores is mined than in any similar area in Canada. Through the kindness of the managers the various mines may be visited by the Geology and Mineralogy classes. Excursions are conducted on Saturdays, and students are thus enabled to obtain valuable information concerning field conditions.

The GEOLOGICAL AND MINERALOGICAL MUSEUM, which is situated on the ground floor of Ontario Hall, is equipped with a splendid collection of minerals, ores, rocks, and fossils, classified and systematically arranged to illustrate most of the subjects treated in the lectures. In order that these collections may be further enlarged, the co-operation of the public is invited. All donations to this museum will be carefully kept, and credited to the donor.

Botany.

The great diversity of land surface in the vicinity of Kingston enables the students of Botany readily to make field studies of the various plant associations.

Within two miles of the city limits are extensive reed marshes, bordered by water gardens well stocked with the swimming and submerged societies of plants. These are conveniently reached by street car and row boats. A drive of eight miles permits the study of an excellent example of sphagnum moor, with all the plants of our latitude characteristic of muskeg conditions,—mosses, heaths, orchids, carnivorous plants, tamaracks, and lichens. An hour's drive in another direction reaches a region of high, dry, granite hills where xerophytic modifications dominate the flora. A carefully preserved mesophytic meadow with a forest plantation is within walking distance of the college. All of these are visited each session by the classes under the guidance of instructors, and are made the foundations of ecological studies.

UNIVERSITY EXTENSION.

Lectures.

The members of the staff of Queen's University and of its various affiliated schools are prepared to lecture at outside points on a great variety of subjects. The lectures are specially suitable for University extension work, for courses of study planned by various organizations, and for teachers' conventions. A complete programme of lectures and full information on any point connected with them will be supplied upon application to the Registrar, Queen's University.

Summer School.

The sixth session of the Summer School begins on Monday, July 5, 1915, and closes on Friday, August 13. General information regarding the Summer School may be found in the concluding pages of this Calendar.

BOARDING HOUSES.

Lists of Boarding Houses may be obtained from the Registrar. Requests for these should state whether they are required for men or women students.

Men and women students are not permitted to lodge in the same houses unless they are members of the same family or receive special permission from the Senate. A list of approved houses where suitable accommodation is provided for women students will be furnished on application to the Registrar.

A women's residence capable of accommodating a limited number of students has been established in connection with the University. Persons desiring information regarding it should communicate with the Secretary of the Women's Residence, Queen's University.

ADVISER OF WOMEN STUDENTS.

The University has appointed Mrs. W. E. McNeill, M.A., to assist the women students in planning their courses, to give them information and help of various kinds, and to advise them in all matters in which they feel the need of counsel.

Mrs. McNeill may be reached by correspondence addressed to her at the University; and during the session she may be consulted at her office in the New Arts Building.

PHYSICAL WELFARE OF STUDENTS.

Each first year student is given a physical examination by a competent physician appointed by the University, and corrective exercises in the Gymnasium are prescribed when they are needed.

Gymnasium work for two hours each week is required of all first year students. All students are required to provide themselves with suitable gymnasium costume.

Hospital Privileges.

Provided that 250 or more students take out Hospital tickets, at \$2 apiece, before November 1 in each year, the Governors of the Kingston General Hospital agree to give any of these persons, who may be ill during the session from October 1 to May 1, all the advantages of a private room, including board, attendance of nurses-in-training, and ordinary medicines, without further charge.

ATTENDANCE AT CHURCH.

All students are expected to attend the church of the denomination to which they profess to belong.

During the session, Sunday services are conducted in the University by ministers of different denominations who are invited to preach to the students, professors, and visitors.

EXPENSES OF COURSE.

The following statement of necessary expenses is based on information obtained from students who have kept an account of their expenditures. *The estimates do not include personal expenses.*

For a Session (October to May).

Board and lodging	\$120 to \$180	
Books and stationery	15 “	25
Incidentals	10 “	20
Class and other fees.....	52 “	56
	<hr/>	<hr/>
	\$197	\$281

The average student pays for table-board from \$3.25 to \$3.75 a week; and for room from \$1.25 to \$2.00 a week. A few pay as little as \$4.00 for board and room; while others, with more expensive tastes, pay \$6.00 or more. Anyone, however, may count on finding satisfactory board and lodging at from \$5.00 to \$5.25 a week.

The incidental expenses include the cost of a hospital ticket (\$2.00) and subscriptions to various student organizations.

The fee for graduation is not included in the estimates.

Students taking Science classes must pay laboratory fees (see FEES) in addition to the regular fees included in the above estimate. They should also allow from \$5.00 to \$10.00 for breakages and the cost of excursions.

REMITTANCES.

Cheques or drafts will be received at par on any place where the Merchants' Bank of Canada has an agency; otherwise 15 cents per \$100 or fraction thereof should be added to cover bank charges. Remittances may also be made by Post Office Order or Express Order.

REGISTRATION.

All students are required at the beginning of each session to have their names entered upon the University Register.

The registration fee is \$14 for intra-mural students and \$10 for extra-mural students.

Intra-mural students must register *in person*. Those registering during the first three days of the session (September 29, 30, and October 1) will be charged the regular fees; but those registering at a later date will be charged an extra fee of \$3.

Intra-mural students are not allowed to register after October 8 unless at some time before this date they have obtained permission from the Senate to register later.

Extra-mural students taking the work of the winter session should register and pay all registration and tutorial fees by September 21, in order that they may receive the preliminary instructions and provide themselves with books in time to begin work promptly. They will be allowed, however, to register up to October 15. Likewise, extra-mural students taking the work of the summer session should register and pay all registration and tutorial fees by April 21, in order to be ready to begin work promptly on May 1. They will be allowed, however, to register up to May 15.

RELATION TO OTHER INSTITUTIONS.

1.—The Ontario Department of Education.

The Department accepts the courses of the Faculty of Education as the professional preparation for High School teachers and for First-class Public School teachers.

The teachers' certificates issued by the Department are valid *pro tanto* as admission certificates to the University classes.

A certificate of having passed Preliminary and Final Honour Political Science will be accepted by the Education Department of Ontario in lieu of Part II of the examinations for Commercial Specialist Interim Certificate.

2.—Other Universities.

Certificates of standing from other universities will be considered and equivalent allowances made to students seeking standing in this University. In all such cases application, accompanied by the necessary documents, should be made to the Senate.

3.—Affiliation with English Universities.

(a) OXFORD—Queen's University is admitted to the privileges of the *Colonial Universities' Statute*.

These privileges are: (1) A student who has taken two full years' work at Queen's, including Senior Greek, will be admitted as a *Junior Student*, i.e., he will be excused from the University Matriculation examination known as *Responsions*. (2) A student who has taken at least three years' work at Queen's, including Senior Greek, and (a) has taken First or Second Class Honours in the examination in Preliminary or Final Honours in any two of the subjects presented for the Degree of Bachelor of Arts, and (b) has taken Pass standing in not less than seven Pass classes, will be admitted as a *Senior Student*, i.e., he will be excused from the University examination known as *Moderations*. Such a student may reckon the term in which he matriculates as his fifth term, and he may take his B.A. degree after a residence of eight terms instead of twelve, as ordinarily required, provided he passes the prescribed examinations.

(b) CAMBRIDGE—Graduates in Arts, provided they have passed one or more examinations after matriculation in (a) Latin; (b) either Greek, French, or German; (c) Mathematics, are entitled to the benefit of the statute in regard to affiliated institutions, viz.,—
(1) to be exempted from all parts of the *Previous Examination*,
(2) to count the first term of attendance as the fourth of residence.

(c) LONDON—Queen's University is recognized under Statute 116 of the University of London. Graduates of Queen's are therefore admitted to the courses leading to a degree at the University of London without passing the Matriculation of that University.

ADMISSION TO THE UNIVERSITY.

Candidates for a degree, unless twenty-one years of age, must pass the Matriculation examination or an examination accepted by the Senate as equivalent to Matriculation before being admitted to examination on the University courses leading to a degree.

Students from other universities may be given such standing as the Senate in each case may determine.

I.—ADMISSION BY MATRICULATION.

Any person presenting a certificate of full Matriculation will be admitted as an undergraduate upon payment of the registration fee.

The Matriculation examinations are conducted for the universities of Ontario by the University Matriculation Board. The Secretary of the Board (R. W. Anglin, M.A., Parliament Buildings, Toronto) will furnish, on request, the official circular which contains full information about dates, fees, standards, curriculum, and examination centres. The University also publishes an announcement containing all particulars regarding Matriculation. This may be obtained by applying to the Registrar.

The examination is of two grades called *Junior* and *Honour* Matriculation.

A.—Junior Matriculation.

A student who holds a certificate of Junior Matriculation will be admitted to the first year's work in the various subjects of his course.

SUBJECTS OF EXAMINATION.

1. The subjects of Junior Matriculation are as follows:—Latin, English, History, Mathematics, and any two of the following: Greek, German, French, Experimental Science (Physics and Chemistry).

STANDARDS.

2. The pass standard is forty per cent. of the marks assigned to a paper, with an average of sixty per cent. on the whole examination.

MIDSUMMER EXAMINATION.

3. Written examinations, as defined above, for Junior Matriculation will be conducted in June of each year by the University Matriculation Board at the Universities and at each High School and Collegiate Institute in Ontario, and at such other centres as may be approved by the Matriculation Board. If application is made to the University Senate the examination may be held at suitable centres outside of Ontario. Full details regarding this examination are given in the Official Circular of the Matriculation Board and in the University Matriculation Announcement.

SUPPLEMENTAL MATRICULATION EXAMINATION.

4. This examination is held in September, and all particulars regarding it may be had from the publications mentioned at the end of the foregoing paragraph.

B.—Honour Matriculation.

1. The Honour Matriculation examination is conducted for the universities of Ontario by the University Matriculation Board. It is held at midsummer at the same time as the Junior Matriculation. It is approximately equal in difficulty to the first year examination in the same subjects in the University.

Candidates who intend to pursue an Honour course in the University are advised to take this examination in as many subjects as possible.

2. The subjects of examination for full Honour Matriculation are: English, Latin, History, Mathematics, and any two of the following: Greek, French, German, Experimental Science (Physics and Chemistry).

3. A candidate who holds a *certificate of full Honour Matriculation will, on payment of the *pro tanto* fee, be allowed the Junior classes in as many as five of the following subjects, provided he has made forty per cent. in each: Latin, Greek, French, German, Mathematics, English, History, Chemistry, Physics; but a student who

*Candidates wishing for any allowance on such certificates should send their certificates to the Registrar, who will then advise regarding the standing allowed.

claims the standing in Physics under this provision, must, if he intends taking Senior Physics, work two hours a week for one year in the Junior Physics Laboratory and pass the Junior Physics examination, before he can obtain Senior standing. Similarly, if he intends to take Senior Chemistry he must do three hours work per week for one year in the Junior Chemistry Laboratory and pass the Junior Chemistry examination, before he can obtain Senior standing.

4. A candidate without a full certificate will in no case be allowed more than *four classes*. Such a candidate will be allowed two less than the number of classes in which he has passed, provided that he has made fifty per cent. in each. He will, however, be allowed each class, to the number of four, in which he has made seventy per cent. But a candidate who has not Junior Matriculation or its equivalent in at least one foreign language will not be allowed more than *three classes*.

II.—ADMISSION BY EQUIVALENT EXAMINATION.

A.—Examinations Equivalent to Junior Matriculation.

1. Candidates who produce certificates of Matriculation into any university in the British Empire, will be allowed to enter Queen's University without further examination. Matriculation standing from universities in other countries than the British Empire will be accepted *pro tanto*.

2. Candidates may obtain *pro tanto* Matriculation standing if they hold teachers' certificates, or the non-professional standing for such certificates, of the grades indicated below.

Ontario.....	Jr. Leaving, Entrance to Normal School.
Prince Edward Island.....	Second Class.
Nova Scotia.....	Grade XI (Average 60, minimum 50).
New Brunswick.....	Second Class.
Quebec.....	{ Academy Grade III. University School AA. Model School Diploma (75%).
Manitoba.....	Second Class.
Alberta.....	Grade XI.

Saskatchewan.....	Grade XI.
British Columbia.....	Intermediate.
Newfoundland.....	Intermediate (50% required).

3. A student may enter the University on presentation of one of the certificates mentioned in section 2, if such certificate includes Latin. But if he has not passed the Matriculation examination or its equivalent in Greek, French, or German, he must attend a class for beginners and later pass an examination in the subject in which he is deficient. (See REGULATIONS REGARDING CLASSES.)

B.—Examinations Equivalent to Honour Matriculation.

1. Candidates may obtain *pro tanto* Honour Matriculation standing if they hold *certificates of the grades indicated below.

Ontario.....	(Entrance to Faculty of Education. Senior Leaving.
Prince Edward Island.....	First Class.
Nova Scotia.....	Grade XII.
New Brunswick.....	First Class.
Manitoba.....	First Class.
Saskatchewan.....	Grade XII.
Alberta.....	Grade XII.
British Columbia.....	Senior Academic.
Newfoundland.....	Associate (75%; but allowance on Associate examinations will be given only in English, Latin, Greek, and French).

2. Candidates whose certificates entitle them to full Honour Matriculation will be credited with having passed the Junior class in five subjects, under the conditions specified in section 3 of HONOUR MATRICULATION.

3. Candidates whose certificates do not entitle them to full Honour Matriculation may be allowed certain subjects under the dates will not be allowed standing in more than *two* subjects on provisions of section 4 of HONOUR MATRICULATION. But candidates Part I or Part II of the Ontario Senior Leaving or Faculty Entrance examinations.

*Candidates holding certificates from the Department of Education of Ontario should send their certificates to the Registrar in order to have standing allowed. Candidates holding certificates from Departments of Education outside of Ontario should write to the Departments concerned asking that their marks be sent to the Registrar, who will then advise regarding the standing allowed.

III.—ADMISSION BY SPECIAL REGULATION.

1. In the case of students over the age of 21, the Senate may postpone the Matriculation examination. Those entering the University under this regulation without having matriculated in Latin, must take the Preparatory class in Latin for at least one session and pass the Matriculation examination before entering the Junior class. Those who are deficient in Greek or French or German are subject to the provisions of section 3 under EXAMINATIONS EQUIVALENT TO JUNIOR MATRICULATION.

2. A candidate who is actually engaged in a mercantile, industrial, or other occupation may pass the Junior Matriculation examination under the following conditions:—

(a) He may present himself for one or more subjects at any June or September examination.

(b) At any such examination he will receive credit for a subject or subjects on obtaining 40 per cent. on each paper and an aggregate of 60 per cent. of the total marks assigned to such subject or subjects. Two papers are given in each subject.

(c) Matriculation under these conditions must be completed within four consecutive years.

(d) In order to secure credit for the subject or subjects written on, a candidate who desires to matriculate under these conditions must, immediately on receipt of his statement of marks, return the same to the Secretary of the Matriculation Board accompanied by a certificate from his employer to the following effect:—

.....19....
I,.....do hereby certify that.....
was in my employ from.....to.....in the
capacity of.....and that this employment made it
impossible for him to attend the regular day sessions of a secondary school.
My business is that of.....
located at

(Give business address in full)

.....
(Signature in full).

To the Secretary of the Matriculation Board,
Parliament Buildings, Toronto.

EXTRA-MURAL STUDENTS.

In order to meet the needs of students who are unable to do all their work in residence, of teachers in actual service who wish to improve their professional qualifications in certain subjects, and of those persons in general who though unable to attend the regular classes are yet desirous of pursuing particular studies under competent direction, the University has organized a system of extra-mural teaching whereby part of its instruction can be given by correspondence. This work is as nearly as possible identical with that taken up by the intra-mural students and the same examinations are set for all. Those who finish a three years' course, covering three-fourths of the classes required for a degree, are entitled, on the payment of a fee of \$5, to a University Diploma; and those who fulfil at least the minimum requirements of residence and otherwise comply with the conditions stated below may qualify for the various degrees to which their courses lead.

Conditions of Admission to Extra-Mural Work.

1. In order to register for the first time, extra-mural students must be residents of Canada. Students residing outside of Canada, however, who have attended the University for one session or who have taken work as extra-mural students for one session are allowed to complete their course.

2. Candidates for a degree must pass the Matriculation examination or its equivalent before they can register as extra-mural students.

3. No one is permitted to take work at Queen's in the same year that he is taking work at any other educational institution or writing on any outside examination other than Junior Matriculation.

4. A student who is registered intra-murally in the winter session is not allowed to take extra-mural work in the following summer.

Minimum Residence Requirements.

5. All extra-mural students proceeding to a degree are required to attend at least one full session. (This clause does not apply to

students registered before October 21, 1909.) Extra-mural students, however, who attend four full sessions of the Summer School and take classes in four different departments are considered to have satisfied the residence requirements.

6. Extra-mural students taking Specialists' Courses for teachers are required to attend not less than two full sessions. Attendance at the Summer School is not accepted in lieu of any part of the two years' residence required for Specialists' standing.

7. Students are strongly advised to attend for the latter part of the course if possible. If this is not feasible they should not attempt more than a Pass course.

Registration for Extra-Mural Classes.

8. Students may register for extra-mural Pass classes either in the winter session, which extends from October 1 to the end of the April examinations, or in the summer session, which extends from May 1 to the close of the September examinations. The Honour classes, however, may be taken in the winter session only.

9. As five classes make a full year's work for an intra-mural student who gives all his time to study and has the advantage of class instruction, extra-mural students are strongly advised not to register for more than two or three subjects in one session unless they can devote all their time to the work. No student is allowed to take or to pass more than five classes in the Academic Year (October 1—September 30).

10. Extra-mural students taking the work of the winter session should register by September 21, in order that they may receive the preliminary instructions and provide themselves with books in time to start work promptly at the beginning of the session. They will be allowed, however, to register up to October 15. Similarly, extra-mural students taking the work of the summer session should register by April 21, in order to be ready to begin work promptly on May 1. They will be allowed, however, to register up to May 15.

11. Applications for registration must be made on forms supplied by the Registrar; they must be accompanied by registration

and tutorial fees, and must reach the Registrar's office by the dates specified in the preceding paragraph.

12. The registration fee is \$10 for each session and the tutorial fees are \$5 for each Pass class and \$10 for each Honour class. On receipt of the proper fees a registration card and the first instalment of the work prescribed will be forwarded.

13. Students who have been granted any allowance on work already taken elsewhere must pay a *pro tanto* fee of \$10 with their first registration fee in order to have this allowance entered.

Manner of Conducting Extra-Mural Classes.

14. The method of giving extra-mural instruction necessarily varies with the subject. Each department appends to its prescription of work in this Calendar some general directions for extra-mural study, but the detailed information is contained in the instruction sheets which are sent out at regular intervals. These give the substance of lectures, specify the prescribed reading, and assign exercises and essays to be written. The first instalment of work is sent to the student as soon as he registers.

15. Extra-mural students must write all the essays and at least 80 per cent. of the prescribed exercises and send them to the proper person on the dates specified.

16. Each essay or exercise is promptly examined and returned to the writer with criticisms and suggestions.

17. The date of each essay or exercise coming in and of each criticism or fresh piece of work going out is tabulated at the Registrar's office.

18. Students should address their work and all inquiries to The Tutor in (whatever the subject may be), Queen's University, Kingston, Ontario. In no case should the name of the tutor be used.

Transference from Extra-Mural to Intra-Mural Classes.

19. Extra-mural students may become intra-mural students at any time during the winter session after December 1, in those classes in which they have satisfactorily completed the work prescribed up to the date of their transferring. Fees already paid will be applied on intra-mural charges, and the balance alone will be required.

Library Facilities for Extra-Mural Students.

20. With the exception of *text-books prescribed in the Calendar, which all students must provide for themselves, and of dictionaries, encyclopædias, and other volumes not ordinarily loaned, extra-mural students may borrow from the University Library any books required in their work.

21. Three books may be borrowed at one time, provided that no two relate to the same essay. Unless a special arrangement is made, a book may be kept only two weeks from the date on which it is received.

22. Special arrangements are made for supplying the necessary books to extra-mural students in the Ph.D., B.Paed., and D.Paed. courses.

23. Extra-mural students must send to the Librarian a deposit of \$2 for one book, \$4 for two books, and \$5 for three. Books may be exchanged as often as the borrower wishes; and when all are returned, the deposit, less the amount spent for postage, will be repaid on request. No fee is charged for the use of the Library.

24. All communications concerning books and deposits must be addressed to The Librarian, Queen's University, Kingston, Ontario.

Conditions of Admission to Examinations.

25. No student is admitted to examination in any subject unless he has sent in all the essays and at least 80 per cent. of the prescribed exercises.

26. If a student has not completed the work required during a session—summer or winter—he must register at a subsequent session and complete his course, in order to be allowed to take the examination. In this case all the fees must be paid again.

27. If a student who has completed the required work in a given subject wishes in some subsequent Academic Year merely to take the examination, he must pay the registration fee of \$10 on or before October 15 or May 15 preceding the date of examination; and also pay the examination fee as specified in section 29. See also section 31.

*The text-books prescribed for extra-mural work may be procured from Messrs. R. Uglow & Co., Kingston, Ontario.

28. Application for examination in the particular subjects upon which a student proposes to write must be made to the Registrar by March 1 for the April examinations and by August 1 for the September examinations.

29. The University examination fee of \$10 for Pass classes or \$12 for Honour (or Pass and Honour) classes must be paid to the Registrar at the time of application for examination. Students applying to write at outside centres must also send \$1 for each half-day examination and \$1 for each oral examination, to remunerate the presiding examiner.

Dates of Examinations for Extra-Mural Students.

30. Examinations in Pass subjects are held in April and September; examinations in Honour subjects are held in April only. See the Time Tables on pages 8 and 9 of this Calendar.

31. Students who register in the winter session and complete the required work before April may write at either the April or September examinations; and those who register in the summer and complete the work may write in September. Any postponement of the examination beyond these dates subjects the student to the provisions of section 27.

Examination Centres for Extra-Mural Students.

32. Oral and dictation examinations in Final Honour French and German, and practical examinations in Science must be taken at the University.

33. Examinations, other than those specified in the preceding section, may be taken either at the University or at one of the following local centres:

PRINCE EDWARD ISLAND: Charlottetown.

NOVA SCOTIA: Amherst, Halifax, Sydney, Truro, Yarmouth.

NEW BRUNSWICK: Campbellton, Chatham, Fredericton, St. John.

QUEBEC: Montreal, Quebec.

ONTARIO: Bancroft, Belleville, Berlin, Brantford, Brockville, Chatham, Collingwood, Cornwall, Glencoe, Goderich, Guelph, Fort William, Haliburton, Hamilton, Huntsville, Kenora, Leamington, London 2, Madoc, New Liskeard, North Bay, Orangeville, Orillia, Ottawa, Owen Sound, Parry Sound, Peter-

borough, Port Hope, Renfrew, Sarnia, Sault Ste. Marie, Simcoe, Smith's Falls, Stratford, St. Thomas, Sudbury, Toronto, Vankleek Hill, Walkerton, Welland, Windsor, Woodstock.

MANITOBA: Brandon, Dauphin, Deloraine, Emerson, Minnedosa, Morden, Portage la Prairie, Souris, Winnipeg,

SASKATCHEWAN: Arcola, Balcarres, Estevan, Lanigan, Maple Creek, Moose Jaw, Moosomin, North Battleford, Oxbow, Prince Albert, Quill Lake, Regina, Saskatoon, Swift Current, Wilkie, Wolseley, Yorkton.

ALBERTA: Calgary, Edmonton, Gleichen, Hardisty, Laggan, Lloydminster, MacLeod, Medicine Hat, Red Deer, Steetler, Stirling, Vegreville.

BRITISH COLUMBIA: Cranbrook, Kamloops, Kelwona, Nanaimo, Nelson, Prince Rupert, Revelstoke, Vancouver, Victoria, Yale.

34. Students wishing to have new examination centres established or old centres re-established, must make application, accompanied by the special fee of \$10, by February 15 for April examinations, and by July 15 for September examinations.

Determination of Standing.

35. See sections 29-32 of GENERAL REGULATIONS.

Fees for Extra-Mural Students.

36. A full statement regarding fees may be found under FEES, page 52.

37. Extra-mural students who enter as intra-mural students during the winter session will have their extra-mural fees applied on intra-mural charges and need then pay only the balance. See section 19.

38. In no case whatever will refunds be made. In case of sickness, however, but under no other conditions, an application to have fees *carried over* will be considered if it is made within one month of registration and is accompanied by a doctor's certificate.

Remittances.

39. Cheques or Drafts will be received at par on any place where The Merchants' Bank of Canada has an agency, otherwise 15 cents per \$100 should be added to cover bank charges. Remittance may be made by Post Office or Express Order.

FEES.

Matriculation Fees.

(For dates and methods of payment, see *Academic Year* pages 4 and 5.)

Honour Matriculation examination	\$10 00
Honour Matriculation on <i>pro tanto</i> certificate	10 00
Scholarship examination (Matriculation)	10 00
Junior Matriculation examination	8 00
Supplemental Matriculation examination, each paper up to five.....	2 00
Supplemental Matriculation examination, maximum	10 00

Intra-Mural Fees—Payable Each Session.

(Graduation, registration, and examination fees are payable at the dates specified on pages 4 and 5; class fees, laboratory fees, the Arts Society fee, the Levana Society fee, and the fee for athletics are payable upon registration; and all other fees are payable as they are incurred.)

Registration (if paid in person on Sept. 29, 30, or Oct. 1).....	\$14 00
Registration (if paid after Oct. 1)	17 00
Arts Society fee (payable by men only).....	2 00
Levana Society fee (payable by women only).....	1 00
Athletics	3 00
Class fees (required of all non-graduate students proceeding to a degree)	25 00
Fee for each class (except Jr. and Sr. Chemistry) for those who do not pay full class fees.....	8 00
Junior Chemistry (for those who do not pay full class fees).....	12 00
Senior Chemistry (for those who do not pay full class fees).....	12 00
Pass examinations, April or September	10 00
Honour examinations, April only	12 00
Special fee for intra-mural students who write away from the University, other fees being as for extra-mural students (Sec. 29) ..	5 00
Late application for examination or graduation (if accepted).....	3 00
Change of classes after registration (except in the case of students in their first year)	2 00

Extra-Mural Fees—Payable Each Session.

(Registration, tutorial, and examination fees are payable as specified on pages 47 and 49; other fees are payable as they are incurred.)

Registration	\$10 00
Registration (if accepted) after Oct. 15.	13 00
Tutorial fee in each Pass class.	5 00
Tutorial fee in each Honour class and in each group or part of a group of Honour Mathematics	10 00
Pass examinations, April or September	10 00
Honour examinations, April only	12 00
Change of work after registration	2 00
Establishing a new examination centre	10 00
Late application for examination (if accepted).	3 00
Local centre—each half day examination	1 00
Local centre—each oral examination	1 00
Allowing classes on a <i>pro tanto</i> certificate	10 00

Special Fees.

Payable in addition to regular class fees.

Preparatory class in any language	\$ 5 00
Laboratory—Preliminary Honour Chemistry per session	15 00
“ Final Honour Chemistry	15 00
“ Physics, Pass or Prelim. Honour.	3 00
“ Physics, Final or Exper. Honour.	10 00
“ Junior or Senior Chemistry	3 00
“ Botany, Pass Course	3 00
“ Botany, Honour Course	5 00
“ Animal Biology, Pass Course	5 00
“ Animal Biology, Preliminary Honours.	15 00
“ Animal Biology, Final Honours.	10 00
“ Geology, Pass or Honour.	5 00
“ Mineralogy, Pass or Honour.	5 00
Junior Philosophy (correcting essays).	1 00
Matriculation Certificate	5 00
Certificate of Standing	1 00
Diploma for three years' work.	5 00
Graduation—Bachelor of Arts (B.A.)	10 00
“ Master of Arts (M.A.)	20 00
“ Doctor of Philosophy (Ph.D.)	50 00
“ Doctor of Science (D.Sc.)	50 00
Admission <i>ad eundem gradum</i> (B.A.)	20 00
“ “ <i>statum</i>	10 00

Students taking Physics, Chemistry, Geology, or Mineralogy must register for these subjects in the School of Mining. This registration involves a fee of \$1.00 and a deposit of \$5.00.

MATRICULATION SCHOLARSHIPS.

1. Notice of intention to compete for Matriculation Scholarships must be sent to the Registrar before May 15 on forms supplied on application.

2. To hold a scholarship, a student must be fully matriculated. Candidates who wish to present certificates for any part of matriculation must forward them with the notice of intention to compete.

3. A scholarship holder must do all his work in residence at the University.

4. The University, besides paying the income belonging to each Foundation, usually grants the scholarship holder exemption from class fees for four years, provided that he passes his annual examinations to the satisfaction of the Senate.

5. Candidates for Junior Matriculation Scholarships will not be eligible to compete for Honour Matriculation Scholarships in any subsequent year.

6. Junior Matriculation Scholarships will be available only in the next ensuing session after they are awarded.

7. Honour Matriculation Scholarships are awarded to the students making the highest standing in the subjects specified, but no candidate is eligible for a scholarship whose mark in any one of the competitive subjects falls below 50 per cent.

I.—Scholarships Awarded on the Midsummer Junior Matriculation Examinations.

*Total Value.

NICHOLLS FOUNDATION No. 2, \$35.

Founded by the late Charlotte Nicholls, Peterborough,

Awarded for *General Proficiency*.....\$135 00

*Including class fees for four years.

McDOWALL, \$25.

Founded in memory of the late Rev. Robert McDowall.	
Awarded for <i>General Proficiency</i>	125 00

NICHOLLS FOUNDATION No. 3, \$20.

Founded by the late Charlotte Nicholls, Peterborough.	
Awarded for <i>General Proficiency</i>	120 00

II.—Scholarships Awarded on the Midsummer Honour Matriculation
Examinations.

PRINCE OF WALES, \$60.

Founded by H. M. King Edward VII.	
Awarded in <i>Mathematics, Chemistry, and Physics</i>	160 00

GOVERNOR-GENERAL, \$75.

Given by H.R.H. the Duke of Connaught.	
Awarded in <i>Classics</i>	175 00

CHANCELLOR, \$100.

Given by Sir Sandford Fleming, K.C.M.G., Chancellor.	
Awarded in <i>Mathematics</i>	200 00

MACKERRAS MEMORIAL, \$70.

Founded in memory of the late Professor Mackerras.	
Awarded in <i>Classics</i>	170 00

WILLIAMSON No. 1, \$65.

Founded in memory of the late Vice-Principal, Rev. Dr. James Williamson.	
Awarded in <i>English and History</i>	165 00

WILLIAMSON No. 2, \$60.

Founded in memory of the late Vice-Principal, Rev. Dr. James Williamson.	
Awarded in <i>French and German</i>	160 00

LEITCH MEMORIAL No. 1, \$60.

Founded in memory of the late Principal Leitch.	
Awarded in <i>English, Chemistry, and Physics or Botany</i>	160 00

NICHOLLS FOUNDATION No. 1, \$50.

Founded by the late Charlotte Nicholls, Peterborough,
Awarded in *English, French, and German*..... 150 00

MAYOR, \$50.

Given by the Mayor of Kingston.
Awarded in *Latin, French, and German*..... 150 00

MOWAT, \$50.

Founded by the late John Mowat, Esq., of Kingston.
Awarded in *Mathematics* 150 00

FORBES MCHARDY, \$25.

Founded by the late Forbes McHardy, Esq., Toronto.
Awarded in *Mathematics, French, and German*..... 125 00

McLAUGHLIN, \$125.

Given by R. McLaughlin, Esq., Oshawa.
Awarded in *English, Latin, and French or German*..... 225 00

REGISTRAR, \$100.

Given by Geo. Y. Chown, Esq., Kingston.
Awarded in *Latin, English, History, Mathematics, and one of
Greek, French, German, Science (Chemistry and Physics)*.... 200 00

THE ELLEN M. NICKLE MEMORIAL, \$50.

Founded by the late Ellen M. Nickle, of Kingston.
Awarded in *English and Mathematics*..... 150 00

III.—Scholarships Endowed Under Special Conditions.

THE E. F. WISER SCHOLARSHIP FOR GRENVILLE COUNTY, \$100.

Given by E. F. Wiser, Esq., Prescott.
Awarded to the candidate from the schools of Grenville County
making the highest marks in the *Midsummer Honour Ma-
triculation examinations* 200 00

WATKINS, \$60.

Founded by the late John Watkins, Esq., Kingston.

Awarded to the student of the Kingston Collegiate Institute who stands highest in the *Form IV* examinations..... 160 00

McLENNAN GLENGARRY FOUNDATION, \$240.

(\$60 a year for four years).

Founded by the late R. R. McLennan, Esq., Alexandria.

Awarded for *General Proficiency in Junior Matriculation*. Given only to candidates from the County of Glengarry..... 340 00

MARION STEWART McDONALD, \$75.

Founded by John S. McDonald, Esq., Fond du Lac, Wis.

Awarded for *General Proficiency in Junior Matriculation*. Given only to candidates from the County of Glengarry..... 175 00

WILSON, \$25.

Given by Uriah Wilson, M.P.

Awarded for *General Proficiency in Junior Matriculation*. Given only to candidates from the Counties of Lennox and Addington 125 00

KINGSTON Nos. 1, 2, 3, 4.

Founded by the City of Kingston.

Awarded for *General Proficiency in Junior Matriculation*. Given only to candidates from the City of Kingston..... 100 00

BRYAN, \$100.

Founded by Principal George W. Bryan, of Calgary, Alta.

Awarded to the candidate making the highest marks on *Grade XI examinations of Alberta*. Open only to those who have resided for at least one year in Alberta..... 200 00

J. R. STRATTON, \$100.

Founded by Hon. J. R. Stratton, M.P., Peterborough.

Awarded to the candidate from the schools of Peterborough County making the highest marks in the *Junior Matriculation examinations* 200 00

SYDENHAM HIGH SCHOOL OLD BOYS, \$25.

Founded by Old Boys of Sydenham High School.

Awarded to the candidate from Sydenham High School making
the highest marks in *Junior Matriculation examinations*..... 125 00

BELL, \$50.

Founded by W. J. Bell, Esq., Sudbury.

Awarded for *General Proficiency in Honour Matriculation*.

Given only to candidates from Sudbury High School..... 150 00

H. STEPHEN FOR SAULT STE. MARIE, \$100.

Given by J. M. Stephen, Esq., Sault Ste. Marie.

Awarded to the candidate from Sault Ste. Marie High School
who makes the highest marks in the *Midsummer Honour*
Matriculation examinations 200 00

THE SIMCOE COUNTY SCHOLARSHIP, \$100.

Founded by four friends of the University in Simcoe County.

Awarded to the candidate from the schools of Simcoe County
who makes the highest marks in the *Midsummer Honour*
Matriculation examinations 200 00

UNIVERSITY SCHOLARSHIPS, PRIZES, AND MEDALS.

SPECIAL SCHOLARSHIPS.

The Rhodes Scholarships.

A Rhodes Scholarship is tenable for three years, and is of the value of £300 per annum.

Eligibility of Candidates.

1. Candidates shall be British subjects and unmarried. They must have passed their nineteenth but not have passed their twenty-fifth birthday, on October 1 of the year for which they are elected.

2. An elected scholar must have reached at least the end of his sophomore or second year's work at some recognized degree-granting University or College of Canada.

3. Candidates may elect whether they will apply for the Scholarship of the Province in which they have acquired any considerable part of their educational qualification, or for that of the Province in which they have their ordinary private domicile, home, or residence. They must be prepared to present themselves for examination or election in the Province they select. No candidate may compete in more than one Province either in the same or in successive years.

4. Only candidates who have passed an equivalent to the Oxford Responsions examination, or those who are exempted from Responsions by the Colonial Universities' Statute, are eligible for election.

Queen's University having applied for and been admitted to the privileges of the Colonial Universities' Statute, candidates coming from Queen's University who have fulfilled the conditions are accepted as candidates for Rhodes Scholarships without further examination.

Method of Selection.

In accordance with the wish of Mr. Rhodes, the Trustees desire that "in the election of a student to a Scholarship, regard shall be had to (1) his literary and scholastic attainment, (2) his fondness for and success in manly

out-door sports, such as cricket, football, and the like, (3) his qualities of manhood, truth, courage, devotion to duty, sympathy for and protection of the weak, kindliness, unselfishness, and fellowship, and (4) his exhibition during school-days of moral force of character, and of instincts to lead and to take an interest in his schoolmates." Mr. Rhodes suggested that (2) and (3) should be decided in any School or College by the votes of fellow-students, and (4) by the Head of the School or College.

Where circumstances render it impracticable to carry out the letter of these suggestions, the Trustees hope that every effort will be made to give effect to their spirit, but desire it to be understood that the final decision must rest with the Committee of selection.

The following Rhodes scholars have been appointed from Queen's University:

J. M. Macdonnell, M.A., 1905.

Norman S. Macdonnell, 1907.

H. S. Smith, M.A., 1912.

A. G. Cumming, M.A., 1914.

Exhibition of 1851, Science Research Scholarship.

This scholarship, of the annual value of £150, is awarded by Her Majesty's Commissioners for the Exhibition of 1851 to students who have given evidence of capacity for original research, and (except in very special circumstances) are under 30 years of age.

The nominee must be a British subject, must have been a *bona fide* student of this University for three years, must have been a student of this University for a full year immediately before his nomination, must be a student of this University at the time of his nomination (or he must have been a student at this University for a full year ending within twelve months prior to his nomination and since ceasing to be such student must have been engaged solely in scientific study), and must pledge himself not to hold any position of emolument while holding the scholarship. He is recommended to the Commissioners by the Senate of the University. The scholarship may be held for a second year, if the report of the first year's work be satisfactory to the Commissioners. In the absence of special circumstances, the scholar will be required to proceed to an institution other than that by which he is nominated, and there pursue some investigation likely to promote technical industries or scientific culture. The particular investigation the student proposes to pursue must be stated before a scholarship can be awarded.

The following Science Research Scholars have been recommended by Queen's University:

Norman R. Carmichael, M.A., 1894.
Thomas L. Walker, M.A., 1896.
Frederick J. Pope, M.A., 1898.
Wm. C. Baker, M.A., 1900.
C. W. Dickson, M.A., 1901.
C. W. Knight, B.Sc., 1904.
F. H. McDougall, M.A., B.Sc., 1905.
Campbell Laidlaw, B.A., M.D., 1907.
N. L. Bowen, M.A., B.Sc., 1909.
Walter A. Bell, B.Sc., 1911.
John R. Tuttle, M.A., 1913.

SCHOLARSHIPS IN ARTS.

New York Queen's Alumni Scholarship in Biology.

Value \$50. Given by the New York Queen's University Society and awarded to the student in Arts or Medicine who obtains the highest number of marks in the Honour examination in Physiology and Histology.

The Andrew Haydon Scholarship in Colonial History.

Value \$50. Founded by Andrew Haydon, M.A. '93, LL.B. Awarded on the results of the sessional examinations in the Pass class in Colonial History. Not to be held by any student unless in residence in the session following the award.

The W. M. O. Lochead Scholarship in Political Science.

Value \$50. Founded by W. M. O. Lochead, M.A. '98, Berlin, Ont. The scholarship will be assigned alternately to the two Pass classes in the Department of Political and Economical Science; in the session of 1915-16 to Economics, and in the session of 1916-17 to Politics. It will be awarded to the student taking the highest standing in the sessional examinations and class-work, provided he is in attendance in some faculty of the University in the following session. It is not to be held twice by the same student.

The Ann Eliza Stafford Scholarship in Animal Biology.

Value \$40. Founded by T. T. Bower, Esq., Toronto. Awarded to a graduate in first-class honours in Animal Biology who is competent to undertake research work in Physiology. The holder must be willing to devote himself exclusively to research and must carry on his investigations in the University laboratories for at least one year from the date of his appointment.

The M. C. Cameron Scholarship in Gaelic.

Value \$40. Founded by the late M. C. Cameron, M.P., Goderich. Awarded to the best Gaelic scholar, reader and speaker. Applications for examination should be submitted to the Registrar before January 15 in each year. Work prescribed: any 600 lines of Ossian's *Fingal*, Blackie's *Language and Literature of the Scottish Highlands*, Gaelic Grammar. Translation at sight of Gaelic into English and English into Gaelic. This scholarship will not be awarded to any candidate who does not take at least fifty per cent. of the total number of marks in the examination.

The Maclellan Scholarship in Greek.

Value \$25. Given by Hon. Jas. Maclellan, LL.D., Toronto, to encourage the study of Greek in the University. Awarded on the results of the April examinations in Senior Greek to the best student who is proceeding to the Honour course in Greek. Not to be held by any student unless in actual attendance, and not necessarily to be awarded unless a sufficient degree of merit is shown.

The 'or Fellowship in English.

Value \$50. This Fellowship was established by the Class which graduated in 1901. It is awarded by the Senate to the student who is to act as Assistant Tutor in English during the following session.

The N. F. Dupuis Scholarship in Mathematics.

Value \$60. This is one of three scholarships founded by the graduates of the University in honour of Professor N. F. Dupuis on the completion of his forty-five years' service as Professor in the University. The scholarship is awarded to the student who takes the highest standing in Junior Mathematics in the April examinations.

PRIZES.

Prizes are awarded for literary articles, essays, etc., as specified under each particular prize, and are open to students of the present or preceding session.

Conditions of Competition and Award.

1. Competitive papers must be given to the Registrar not later than March 20.

2. Each paper is to bear a motto, instead of the author's name, and must have attached to it a sealed envelope, bearing the same motto and containing a written declaration over the author's signature, to the effect that it is his unaided composition.

3. The envelope attached to successful papers shall be opened and the writer's name made known at the Convocation at the close of the session.

4. Prizes will be awarded only to those productions which the examiners consider to be of sufficient merit.

5. All successful productions shall be the property of the University, and shall be at the disposal of the Senate.

Gowan Foundation No. I.

Value \$25. Established by the late Sir James R. Gowan, K.C.M.G. Awarded for the best essay on *Methods of Increasing Canada's Economic Productivity*.

Gowan Foundation No. II.

Value \$25. Given by the late Sir James R. Gowan, K.C.M.G., for the best collection of Canadian Ferns. The collection must be delivered before December 15.

Gowan Foundation No. III.

Value \$25 in books. Established by the late Sir James R. Gowan, K.C.M.G. Awarded in Honours in Political Science.

J. McDonald Mowat Prize in Political Science.

Value \$25. Given by J. McDonald Mowat, B.A. '95, Vancouver. Awarded for the best essay on *The Bilingual Question in Canada*.

Latin and Greek Composition.

Two prizes, each of the value of \$10 in books, are offered for competition for the best composition in Latin and Greek prose respectively. Subjects for composition: 1915-16, Latin Prose, Warde Fowler's *Social Life at Rome in the Age of Cicero*, beginning, "But it is nevertheless true" (page 327), and continuing to "example of a Divine man" (page 331). Greek Prose, Sargent and Dallin's *Materials and Models for Greek Prose Composition*, Part VI, Nos. 38-42, pp. 127-130.

V. K. Greer Prizes in Mathematics.

Total value \$20 in books. Given by V. K. Greer, M.A., '11, Winchester, Ont. Awarded to the three students who obtain the highest marks at the April examinations in Preliminary, Intermediate, and Final Honour (Group A) Mathematics.

Special Prize in German.

A prize of the value of \$10 in books is awarded to the student obtaining the highest standing in Senior German.

James C. Rogers Prize in English.

A prize of the value of \$5 in books. Awarded by James C. Rogers, B.A., '94, to the student obtaining the highest standing in Senior English.

Mary Fraser McLennan Prize in Hebrew.

A prize of the value of \$12, founded in memory of Mary Fraser McLennan, of Lancaster, by her sons. Awarded to the student obtaining the highest standing in Junior Hebrew, provided he intends to pursue a Theological course in Queen's Theological College.

MEDALS.

University medals will be awarded to the Candidates who obtain the highest marks in the Honour courses leading to the degree of M.A., but no medal will be awarded to a candidate who fails to obtain three-fourths of the whole number of marks.

Candidates for medals will be required at the final examination to take all the Honour papers in the work of the courses which they select.

A tutor shall not compete for the medal in any class in which he is engaged in teaching the Honour work.

The Malcolm MacCormack Gold Medal in German.

Given by Malcolm MacCormack, B.A., '01, of Guelph, for proficiency in German speech, conversational and oratorical; tenable only by male students in the Final Honour class.

The A. W. Alexander Gold Medal in German.

Given by Mr. A. W. Alexander, of Guelph, for proficiency in Preliminary Honour German.

GENERAL REGULATIONS.

GENERAL STUDENTS.

1. General students are those who do not intend to proceed to a degree. They are exempt from matriculation and sessional examinations and from the regulations regarding classes.

2. No one is admitted to the University as a general student who is under twenty-one years of age at the date of registration, except by special permission of the Faculty.

REGULATIONS REGARDING CLASSES.

(NOTE—*The Academic Year extends from October 1 to September 30.*)

Order of Classes.

3. Students entering with no higher standing than Junior Matriculation must, in the first year of their course, choose their classes from the following list:

Junior Latin, Junior Greek, Junior German, Junior French, Junior English, Junior Mathematics, Junior Physics, Junior Chemistry, Botany, Animal Biology, Mineralogy.

This restriction does not apply to students in Course A taking Junior Latin, Junior French, and Junior Greek.

4. Students requiring for any purpose a certificate of having completed the first year's work must take the following five classes:

(1) *Junior Latin*, (2) *Junior English*, (3) *Junior Mathematics*, (4) *Junior Physics or Junior Chemistry*, (5) *Junior French or Junior German or Junior Greek*.

Students taking Arts classes with a view to registration with the Ontario Medical Council will note that a certificate of having completed the first year's work will be issued only when the five classes mentioned in this section have been passed.

5. Students should take the Pass classes in English, Latin, Greek, French, German, and Mathematics in the first two years of their course.

6. Students intending ultimately to take the work of the Faculty of Education should select a course in Arts which contains the subjects on which they will subsequently have to pass in Education. If they have not passed the Faculty Entrance examination, they are recommended to take Junior classes in Mathematics, English, Latin, and in the optional group. See Faculty of Education Calendar.

7. No student is allowed to take a Senior class until he has passed the Junior class in the same subject or to take a Junior class and a Senior class in the same subject in one academic year.

8. Except by special permission of the department concerned, a student is not allowed to take an Honour class unless he has passed the previous class in the subject with a percentage of at least 50.

Number of Classes in a Year.

9. Except in Specialists' Course, No. IX, no student is allowed to attend or to pass more than five classes in any academic year.

10. Intra-mural students in each of their first two years must take at least three classes.

Attendance and Work.

11. All students are required to write 80 per cent. of the essays and exercises, to do 80 per cent. of the required Laboratory work, and to attend 80 per cent. of the class lectures during their period of intra-mural attendance, as necessary conditions of coming up for the April or September examinations.

12. A student who has registered and failed to pass the examination in any Pass class must repeat the attendance and examination in that class in his next year at the University if he intends taking that class in his course.

13. A student in each of his first three years must pass at least two classes. In case of failure to do so in any one year the Faculty may require the discontinuance of that student's course. In case of such failure in any two years the Faculty will require such discontinuance.

Preparatory Classes.

14. Students who have entered the University conditioned in Latin or French or German or Greek, and students who may desire to begin work in one of these languages, must attend a Preparatory class in the subject in which they are deficient and satisfy the Matriculation requirements before being admitted to the Junior class examination. Those who succeed in passing an examination equivalent to Matriculation before February 1 may take the Junior class examination in the following April; and those who satisfy the Matriculation requirements at any time before the end of the winter session may take the Junior class extra-murally during the summer and write the examination in September.

REGULATIONS REGARDING EXAMINATIONS.

Christmas Examinations.

15. A sessional examination to be known as the Christmas examination may be held at the option of any department during the month of December, at dates to be posted by the Registrar. Such examinations shall be limited to students in Junior and Senior classes. Credit not exceeding 25 per cent. of the total examination marks may be assigned to these examinations.

April Examinations.

16. The regular sessional examinations, in all subjects, Pass and Honour, are held in April.

17. Intra-mural students proceeding to a degree must take the examinations in April in all subjects in which they are registered. Permission to postpone Pass examinations until September may be obtained in special cases but only upon the recommendation of the Professors concerned. Honour examinations are held in April only.

18. The time-table for the April examinations in the Pass subjects may be found on page 9 of this Calendar.

19. The time-table for the Honour examinations is issued each year in March.

September Examinations.

20. Supplemental examinations, in Pass subjects only, are held in September.

21. The September examinations are open to extra-mural students and to those intra-mural students who failed in the April examinations or were permitted to postpone their examinations under Regulation 17.

22. The time-table for the September examinations may be found on page 8 of this Calendar.

Conditions of Admission to the April or September Examinations.

(In addition to those specified in Sections 17 and 21.)

23. All students are required to write 80 per cent. of the essays and exercises, to do 80 per cent. of the required Laboratory work, and to attend 80 per cent. of the class lectures during their period of intra-mural attendance, as necessary conditions of coming up for the April or September examinations.

24. Students will not be permitted to write on examinations unless they have registered at the prescribed date within the Academic Year in which they present themselves. (See REGISTRATION.) But graduates not in attendance who wish to take examinations merely to raise their standing may delay their registration till March 1, if applying to write at a new centre, or till March 15, if writing at an established centre.

25. At the specified date (see pages 4 and 5) before the examinations begin, each candidate must apply to the Senate for permission to write on the subjects in which he desires to be examined. Printed forms for the purpose may be obtained from the Registrar. The application, if approved by the Senate, will be stamped by the Registrar and returned to the candidate before the beginning of the examinations.

26. No candidate will be allowed to appear at an examination unless his application has been approved by the Senate and his examination dues have been paid.

27. No candidate will be admitted to the examination hall later than thirty minutes after the beginning of the examination.

28. No candidate will be permitted to take any books or papers into the examination hall except by express direction of the examiner.

Determination of Standing.

29. In determining a student's standing at a sessional examination the Professors in the different departments are entitled to take into account the entire class record.

30. Credits not exceeding 25 per cent. of the total examination marks may be assigned for each paper in the Christmas examination.

31. The following percentages are required for the various grades of Pass and Honour standing in all courses except the course leading to the degree of B.Sc. (Agr.):

PASS STANDING.

<i>Division I</i>	70 per cent. and over.
<i>Division II</i>	55 to 69 per cent.
<i>Division III</i>	40 to 54 per cent.

HONOUR STANDING.

<i>Class I</i>	75 per cent. and over.
<i>Class II</i>	66 to 74 per cent.
<i>Class III</i>	50 to 65 per cent.

32. For the percentages required in the B.Sc. (Agr.) Course, as well as for special conditions exacted by the Department of Education for Public School Inspectors' certificates and for the non-professional qualification of Specialist, see the courses outlined in the following pages.

COURSES OF STUDY.

A Course of Study is a systematic arrangement of prescribed and optional classes, constituting the required work for some particular degree or degrees. The University offers a considerable variety of courses of study from which each student must select the one which seems best suited to his individual purposes and tastes. As the courses have many classes in common, a student may sometimes be able to do a considerable part of his work before deciding under which of the courses he will eventually qualify for a degree. But if he delays his decision beyond the end of his first year, he is likely to be embarrassed later by conflicts between classes coming at the same hour, and he may be obliged to take an extra year or more in order to finish his course. A student is strongly urged, therefore, to choose his course of study as early as possible, and to plan in advance his whole work, year by year, in accordance with the time-table. An adviser of women has been appointed to help the women students to arrange their courses, and the Principal or any member of the staff will gladly give advice or assistance to any who need aid.

Before planning their courses, students should read carefully the REGULATIONS REGARDING CLASSES.

Synopsis of Courses.

The following courses are outlined in detail in the succeeding pages. In some one of these each candidate for a degree must qualify.

- I. Three Pass Courses, leading to the degree of B.A.
- II. Two Combined Courses—one leading to the degrees of B.A. and M.D., and the other leading to the degrees of B.A. and B.Sc.
- III. A General Proficiency Course, leading to the degree of B.A., and qualifying for a Public School Inspector's Certificate.
- IV. Nine Specialists' Courses—eight leading to the degree of B.A., or with additional work, to the degree of M.A., and qualifying

for an Ontario High School Teacher's non-professional certificate of Specialist; and one course leading to the degree of B.Sc. in Agriculture and a Specialist's Certificate in Science and Agriculture.

V. Three Honour Courses, leading directly to the degree of M.A., or, if the standing is not sufficiently high, to the degree of B.A.

Pass Classes.

Classes are of two kinds—Pass and Honour. Pass classes are intended to lay the foundations of a student's knowledge of a given subject, and are ordinarily designated "Junior" or "Senior," according as the first or second year's work in a subject is meant. A student must pass his Junior class before proceeding to a Senior class in the same subject, except in Philosophy, where under certain conditions the Junior and Senior classes may be taken in the same year. As the two Pass classes in History, and the two in Political and Economic Science are of equal rank and may be taken in the same year, the terms "Junior" and "Senior" are not used. Instead, the Pass History is divided into "English History" and "Modern History," and the Pass Political and Economic Science into "Economics" and "Politics."

Honour Classes.

Honour classes, which are designed to give a student advanced instruction, can be taken only when the corresponding Pass work or its equivalent has been completed. Exceptions to this rule occur in English and in Mathematics. In English, Anglo-Saxon may be taken in the same year as Senior English; in Mathematics, a student after having passed his Junior class may omit the Senior class and proceed to Preliminary Honours.

The Honour work (except in English, Philosophy, and Mathematics) is arranged in two classes, called "Preliminary Honours" and "Final Honours." These must be taken in the order of naming. For the Honour classes in English, Philosophy, and Mathematics, and for the special regulations regarding them, see the detailed prescription of work in these subjects.

I.—PASS COURSES LEADING TO THE DEGREE OF B.A.

1. The degree of B.A. is granted only after four sessions of class work from Junior Matriculation, but students who are allowed four classes on Honour Matriculation may complete their course in three years.

2. Candidates for the degree of B.A. must make Pass standing in the Pass classes; and, if they include Honour classes in their course, they must make at least second class standing in the Final Honour classes and at least third class standing in the other Honour classes. In addition, they must obtain in at least seven classes the standing of second division in Pass subjects or of third class in Honour subjects.

3. No option offered in any of the courses is to be understood as permitting a student to repeat a class or to take an Honour class in a subject in which he has not done the earlier work.

COURSE I.

This course is designed for those who are chiefly interested in Literature and Language.

A.—1. Junior and Senior English.

2. Junior and Senior Latin.

3. Junior and Senior Greek.
Junior and Senior German.
Junior and Senior French.
Junior and Senior Hebrew. } Any one.

4. Junior and Senior Greek.
Junior and Senior German.
Junior and Senior French.
Junior and Senior Hebrew.
Preliminary Honour Latin.
Preliminary Honour Greek.
Preliminary Honour German.
Preliminary Honour French.
Preliminary Honour English.
Preliminary Honour Semitic Languages. } Any one.

B.—1. Junior or Senior Philosophy.

- | | | |
|-----------------------|---|----------|
| 2. Junior Philosophy. | } | Any two. |
| Senior Philosophy. | | |
| English History. | | |
| Modern History. | | |
| Politics. | | |
| Economics. | | |

C.—Junior Mathematics.

- | | | |
|----------------------|---|----------|
| D.—Junior Physics. | } | Any two. |
| Senior Physics. | | |
| Junior Chemistry. | | |
| Senior Chemistry. | | |
| Pass Animal Biology. | | |
| Pass Botany. | | |
| Pass Geology. | | |
| Pass Mineralogy. | | |

E.—Any two Pass classes or any Preliminary Honour class or any Final Honour class. Among the Pass classes that may be offered are Senior Mathematics, Preparatory Greek, and Junior Spanish.

COURSE II.

This course is designed for those who are chiefly interested in Philosophical, Historical, and Economic subjects.

A.—1. Junior and Senior English.

- | | | |
|-----------------------------|---|----------|
| 2. Junior and Senior Latin. | | |
| 3. Junior Greek. | } | Any one. |
| Senior Greek. | | |
| Junior German. | | |
| Senior German. | | |
| Junior French. | | |
| Senior French. | | |
| Junior Spanish. | | |

B.—1. Junior or Senior Philosophy.

- | | | |
|-----------------------|---|-----------|
| 2. Junior Philosophy. | } | Any four. |
| Senior Philosophy. | | |
| English History. | | |
| Modern History. | | |
| Politics. | | |
| Economics. | | |

- 3 Preliminary Honour Philosophy.
Preliminary Honour History.
Preliminary Honour Political and Economic Science. } Any one.

C.—Junior Mathematics.

- D.—Junior Physics.
Senior Physics.
Junior Chemistry.
Senior Chemistry.
Pass Animal Biology.
Pass Botany.
Pass Geology.
Pass Mineralogy. } Any two.

E.—Any two Pass classes or any Preliminary Honour class or any Final Honour class. Among the Pass classes that may be offered are Senior Mathematics, Preparatory Greek, Junior Hebrew, and Senior Hebrew.

COURSE III.

This Course is designed for those who are chiefly interested in Scientific subjects.

A.—1. Junior and Senior English.

2. Junior Latin.
Senior Latin.
Junior Greek.
Senior Greek.
Junior German.
Senior German.
Junior French.
Senior French.
Junior Spanish.
Junior Hebrew.
Senior Hebrew. } Any two.

B.—1. Junior or Senior Philosophy.

2. Junior Philosophy.
Senior Philosophy.
English History.
Modern History.
Politics.
Economics. } Any one.

C.—Junior Mathematics.

D.—1. Junior Physics.

2. Junior Chemistry.

3. Pass Botany or Pass Animal Biology.

4. Senior Physics,
Senior Chemistry,
Pass Geology.
Pass Mineralogy. } Any one.

5. Any three classes in 3 and 4; or, any one class in 3 or 4, together with Preliminary Honours in one of the following subjects: Physics, Chemistry, Botany, Animal Biology, Geology, Mineralogy, Mathematics.

E.—Any two Pass classes or any Preliminary Honour class or any Final Honour class. Among the Pass classes that may be offered are Senior Mathematics and Preparatory Greek.

II.—COMBINED COURSES.

COURSE I.

A course leading to the Degrees of B.A. and M.D. in seven years.

Students taking this course are required to register for the first two years in Arts alone and to pay the class, laboratory, and registration fees in Arts; to register the third and fourth years in both Arts and Medicine and to pay only the registration fees in Arts but the Medical fees in full; and to register the last three years in Medicine alone and to pay the Medical fees in full for those years.

Arts classes are subject to the regulations in the Arts calendar and the classes in Medicine to the regulation in the Medical calendar.

Students will note that the combined B.A., M.D. course requires attendance for five sessions.

Year I.

Junior Latin.
Junior Greek.
Junior French.
Junior German.
Junior English.
Junior Mathematics. } Any three.

Year II.

Junior Philosophy.
Senior English.
Senior Latin.)
Senior Greek.)
Senior French.) Any one.
Senior German.)
Junior Physics.
Pass Botany.

Year III.

Chemistry (1st year Medicine).
Animal Biology (1st year Medicine).
Anatomy (1st year Medicine).
Senior Philosophy.)
Economics.)
Politics.) Any one.

Year IV.

Organic and Physiological Chemistry (2nd year Medicine).
Animal Biology (2nd year Medicine).
Anatomy (2nd year Medicine).
Materia Medica and Pharmacology.

The classes named above qualify for the degree of B.A. For the degree of M.D. the candidate must take in addition the third, fourth and fifth years in the Medical School.

COURSE II.

A course leading to the Degrees of B.A. and B.Sc. in six years.

Students taking this course are required to register for the first two years in Arts alone and to pay the class and registration fees in Arts; to register the second two years in both Arts and Mining and to pay both registration fees and the Mining class fees; and to register the last two years in Mining only, paying registration and class fees. Arts classes are subject to the regulations in the Arts Calendar and Mining classes to the regulations in the Mining Calendar; but the regulations of the School of Mining concerning students who fail to pass their classes shall apply to this course throughout.

The classes in this course must be taken in the order in which they are laid down in the Calendar.

The degree of B.A. will not be granted on this course for less than four years' work.

FIRST YEAR.

A.—Junior English.

B.—Junior Latin.
Junior Greek.
Junior German.
Junior French.
Junior Spanish. } Any two.

C.—Geometry I.

D.—Drawing I.

SECOND YEAR.

A.—Senior English.

B.—Senior Latin.
Senior Greek.
Senior German.
Senior French. } Any one.

C.—Economics. }
Politics. } Either.

D.—Pass Animal Biology. }
European History. } Either.

E.—Trigonometry I.

F.—Algebra I and Astronomy.

THIRD YEAR.

A.—Junior Philosophy. }
Senior Philosophy. } Either.

B.—Physics I.

C.—Chemistry I.

D.—Colonial History. }
English History. } Either.

- E.—Surveying I.
- F.—Physical Drill.
- G.—Drawing II.

FOURTH, FIFTH, AND SIXTH YEARS.

The fourth, fifth, and sixth years are the same as the second, third, and fourth years of the B.Sc. Courses (see the Calendar of the School of Mining), except that Drawing II has been already taken.

III.—INSPECTOR'S GENERAL PROFICIENCY COURSE.

1. The following course, leading to the degree of B.A., is arranged in accordance with the amendments to the regulations of the Department of Education of Ontario for Public School Inspectors' Certificates. (See also Specialists' Course, No. IX, which likewise provides the Academic qualification for a Public School Inspector's Certificate.)

2. Candidates who desire a Public School Inspector's Certificate must attend the University classes for two full sessions and make the following percentages in their work: 50 per cent. in at least half of the following—English and Modern History (to count as one), Pass Botany and Animal Biology (to count as one), and the Senior classes in A and B; 67 per cent. in each class taken in C and D.

3. Candidates who do not wish a Public School Inspector's Certificate will receive the degree of B.A. if they make at least 40 per cent. in the Pass classes, at least 50 per cent. in the Honour classes, and do their work in residence for at least one session.

- A.—1. Junior and Senior Latin.
 - 2. Junior and Senior English.
 - 3. Junior and Senior Mathematics.
 - 4. English and Modern History.
 - 5. Junior and Senior Chemistry.
 - 6. Junior and Senior Physics.
 - 7. Pass Botany and Animal Biology.

 - B.—1. Junior and Senior German.
 - 2. Junior and Senior French.
 - 3. Junior and Senior Greek.
- } Any one.

C.—Preliminary Honour English.

D.—1. Junior and Senior German.*

2. Junior and Senior French.*

3. Junior and Senior Greek.*

4. Preliminary Honour Latin.

5. Preliminary Honour German.

6. Preliminary Honour French.

7. Preliminary Honour Greek.

8. Preliminary Honour Mathematics.

9. Preliminary Honour Botany and Animal Biology.

10. Experimental Honour Physics.

11. Preliminary Honour Chemistry.

12. Preliminary Honour History.

} Any one.

E.—For students not taking Greek, a short course in Greek History will be prescribed. Roman History is provided in the course in Latin.

*Only for those who have not taken them.

IV.—SPECIALISTS' COURSES.

1. Eight of the following courses lead to the degree of B.A., or, with additional work as specified in each case, to the degree of M.A. The ninth course leads to the degree of B.Sc. in Agriculture.

2. By agreement with the Department of Education of Ontario, candidates who are awarded the B.A. degree in any one of Specialists' Courses I-VIII will receive the non-professional qualification of Specialist, provided that they have attended not less than two full sessions and reached the following standing: 40 per cent. on every Pass paper; 50 per cent. of the aggregate of the Pass papers in the Specialist subjects in each year; 66 per cent. of the aggregate in Honour papers each year.

3. Students preparing for the position of High School Master are recommended to take one of the courses that qualify for Specialists' Certificates.

4. A candidate for M.A. in one of these courses must make first class Honour standing (75 per cent.) in the Final Honour classes (if any) prescribed in his course and first class Honour standing in the Honour classes of the additional work required for M.A.

5. Candidates who do not wish to obtain Specialist standing from the Department of Education may proceed to a B.A. degree in any one of Specialists' Courses I-VIII, and in such case an attendance of only one year will be required with a standing of at least 40 per cent. in the Pass classes and 50 per cent. in the Honour classes.

6. The regulations concerning the degree of B.Sc. in Agriculture and Specialist's Certificate in Science and Agriculture are found in connection with Specialists' Course No. IX.

A certificate of having passed Preliminary and Final Honour Political Science will be accepted by the Department of Education of Ontario in lieu of Part II of the examinations for Commercial Specialist Interim Certificate.

COURSE I.—CLASSICS.

Pass Classes.

Junior and Senior Latin.
Junior and Senior Greek.
Junior and Senior English.
Junior Mathematics.
Junior and Senior French or German.
English and Modern History.
Junior Physics.
Junior Chemistry.
Pass Animal Biology.
Pass Botany.

} Any one.

Honour Classes.

Preliminary Honour Latin.*
Preliminary Honour Greek.*
Final Honour Latin.
Final Honour Greek. } Either.

*Preliminary Honour Latin and Greek include Greek and Roman History.

Additional Work for M.A.

Junior or Senior Philosophy.

Either Final Honour Latin or Final Honour Greek (one not taken in course).

COURSE II.—ENGLISH AND HISTORY (CLASSICS OPTION).

Pass Classes.

Junior and Senior Latin.

Junior and Senior Greek.

Junior and Senior English.

Junior Mathematics.

English and Modern History.

Junior and Senior French or German.

Junior Physics.

Junior Chemistry.

Pass Animal Biology.

Pass Botany.

} Any one.

Honour Classes.

Anglo-Saxon, Preliminary and Final Honour English.

Preliminary Honour History.

Additional Work for M.A.

Junior or Senior Philosophy.

Final Honour History.

COURSE III.—ENGLISH AND HISTORY (MODERNS OPTION).

Pass Classes.

Junior and Senior Latin.

Junior and Senior French.

Junior and Senior German.

Junior and Senior English.

Junior Mathematics.

English and Modern History.

Junior Physics.

Junior Chemistry.

Pass Botany.

Pass Animal Biology.

} Any one.

Honour Classes.

Anglo-Saxon, Preliminary and Final Honour English.
Preliminary Honour History.

Additional Work for M.A.

Junior or Senior Philosophy, or Economics, or Politics.
Final Honour History.

COURSE IV.—FRENCH AND GERMAN.

Pass Classes.

Junior and Senior Latin.
Junior and Senior French.
Junior and Senior German.
Junior and Senior English.
Junior Mathematics,
English and Modern History.
Junior Physics.
Junior Chemistry.
Pass Botany.
Pass Animal Biology.

} Any one.

Honour Classes.

Preliminary Honour French and two sections of Final Honour French.
Preliminary Honour German and two sections of Final Honour German.

Additional Work for M.A.

Junior or Senior Philosophy.
Full Honours in French and German.

COURSE V.—ENGLISH, FRENCH, AND GERMAN (PARTIAL HONOURS)

AND HISTORY.

This course is designed to meet the needs of schools in which all these four subjects are taught by a single Specialist.

Pass Classes.

Junior and Senior Latin.
Junior and Senior German.
Junior and Senior French.

Junior and Senior English.
Junior Mathematics.
English and Modern History (Division II standing required).
Junior Physics.
Junior Chemistry. } Any one.
Pass Botany. }
Pass Animal Biology. }

Honour Classes.

Anglo-Saxon and Preliminary Honour English.
Preliminary Honour German.
Preliminary Honour French.

Additional Work for M.A.

Junior or Senior Philosophy.
Any two of the following: Final Honour English, Final Honour German,
Final Honour French.

COURSE VI.—MATHEMATICS.

Pass Classes.

Junior Latin.
Junior French or Junior German.
Junior and Senior English.
Junior and Senior Physics.
Junior Mathematics.
English and Modern History.
Junior Chemistry.
Pass Animal Biology. } Either.
Pass Botany. }

Honour Classes.

Preliminary Honour Physics.
Preliminary and Intermediate Honour Mathematics and Group A of
Final Honour Mathematics.

Additional Work for M.A.

Final Honour Mathematics, Group B.
Final Honour Physics—subjects 1 and 2.

COURSE VII.—MATHEMATICS AND PHYSICS.

Pass Classes.

Junior Latin.
Junior French or Junior German.
Junior and Senior English.
Junior and Senior Physics.
Junior Mathematics.
English and Modern History.
Junior Chemistry.
Pass Animal Biology. } Either.
Pass Botany. }

Honour Classes.

Preliminary Honour Physics.
Final Honour Physics—Subjects 1 and 5.
Honour Mathematics—Subjects 1, 2, 3, 4, 5, 6, 7, and 8.

Additional Work for M.A.

Final Honour Physics—Subjects 2, 3, and 4.
Final Honour Mathematics—Subjects 10 and 12.

COURSE VIII.—SCIENCE.

Pass Classes.

Junior Latin.
Junior French or Junior German.
Junior and Senior English.
Junior Mathematics.
Junior and Senior Physics.
Junior and Senior Chemistry.
Pass Botany.
Pass Animal Biology.
Pass Mineralogy.
Pass Geology.

Honour Classes.

Preliminary Experimental Honour Physics.
Preliminary Honour Chemistry.
Preliminary Honour Botany.
Preliminary Honour Animal Biology.

Additional Work for M.A.

Final Experimental Honour Physics.	} Any two.
Final Honour Chemistry.	
Final Honour Botany.	
Final Honour Animal Biology.	
Final Honour Mineralogy.	
Final Honour Geology.	

Note 1.—Students taking either Geology or Mineralogy are required to take Preliminary Honours also.

Note 2.—Students selecting both Mineralogy and Geology will be entitled to their M.A. on making first-class Honour standing (75 per cent.) in Preliminary Honour Mineralogy and Geology, and in either Final Honour Mineralogy or Final Honour Geology.

COURSE IX.—FOR THE DEGREE OF B.Sc. (AGR.) AND SPECIALIST'S
CERTIFICATE IN SCIENCE AND AGRICULTURE.

1. At the request of the Minister of Education, Queen's University has established the new Degree of Bachelor of Science in Agriculture—B.Sc. (Agr.). This course provides a good general training in Science as well as a special knowledge of Agriculture.

2. The course for this degree covers four years, of which the first two are to be spent in residence at Queen's University and the remaining two at the Ontario Agricultural College, Guelph. Queen's University accepts the examination results of the Agricultural College for the part of the work taken at that institution.

3. A candidate for the degree of B.Sc.(Agr.) shall attain the following standard in the examinations at the University and the Agricultural College:

(a) A minimum average of 50 per cent. in the papers of Science of the first and second years, respectively, of the University courses.

(b) A minimum average of 50 per cent. in the papers of the third year in the Agricultural College in the following subjects of the course: Botany, Entomology, Chemistry (Qualitative Analysis), and Physics (Cold Storage and Meteorology).

(c) A minimum average of 50 per cent. in the papers of the fourth year at the Agricultural College, in the following subjects of the course: Botany, Zoology, Entomology, Bacteriology, and Chemistry.

(d) A minimum of 40 per cent. in the papers in the other subjects of each year of the prescribed course in the University and the Agricultural College.

4. In order to increase their knowledge of practical agriculture, candidates for the degree will be expected to work during the summer vacation between the third and fourth years of their course either on the farm of the Agricultural College or on some other farm in the Province of Ontario which, in the opinion of the President of the College, is well managed.

5. The Department of Education will accept this Degree of B.Sc.(Agr.) as the academic qualification for a Specialist's Certificate in both Science and Agriculture and for a Public School Inspector's Certificate. The Specialist's Certificate will be granted after a year's professional training at the Faculty of Education of either Queen's University or the University of Toronto, and the holder will be qualified to teach both Science and Agriculture in a High School, a Continuation School, or a Collegiate Institute.

Under this new arrangement, the County Representative will continue to discharge his duties as such, and will in addition conduct, under the School Board concerned, classes for farmers and farmers' sons throughout the county, while the duties of the holder of the new Specialist's Certificate will be confined to the regular Secondary School classes.

With a view to furthering the success of this scheme and thereby improving the agricultural teaching in the schools, the Government will give, at the end of each of the two years taken at the Agricultural College, a scholarship of \$100 to each candidate for the degree, who passes the final examinations of the year and is recommended therefor by the President of the College. Moreover, as soon as the new class of specialists is available, the Government will make liberal grants for the encouragement of Secondary School Classes in Agriculture, in the form of contributions to their maintenance and of additions to the teacher's salary. The aforesaid payments to teachers will, however, carry with them an obligation on the teacher's part to teach for at least two years in the Province of Ontario; but, as in the case of similar grants made by the Department of Education, the return of a proportionate amount of the total will release the teacher from his obligation.

¹Classes to be taken at Queen's University.

Junior Latin.
Junior English.
Junior Mathematics.
²Junior Chemistry.
²Junior Physics.
²Pass Botany.
Junior French or Junior German.
²Senior Chemistry.
²Senior Physics.
²Pass Animal Biology.
²Pass Mineralogy.
²Pass Geology.

¹Students are permitted to take in each year of attendance six of the classes enumerated above.

²Science Subjects.

Classes to be taken at Ontario Agricultural College.

Third Year.

English; Modern History; Rural Economics; Horticulture; Beekeeping; Animal Husbandry; Dairy Husbandry; Field Husbandry; Poultry Husbandry; *Botany; *Entomology; *Chemistry—Qualitative Analysis; *Physics—Cold Storage and Meteorology.

Fourth Year.

English; Modern History; Rural Economics; Forestry; Horticulture; Field Husbandry; Animal Husbandry; *Botany; *Zoology; *Entomology; *Bacteriology; *Chemistry.

*Honour Science Subjects.

V.—HONOUR COURSES LEADING TO THE DEGREE OF M.A.

1. Students who desire to take an Honour Course in Arts are advised to spend four years thereon from Honour Matriculation or five years from Junior Matriculation.

2. Students preparing for the position of High School Master are recommended to take one of the courses that qualify for Specialists' Certificates under Department Regulations.

3. The degree of M.A. will be conferred on students who take Pass standing in the Pass classes and first class Honours in the Honour classes, in any one of the following courses.

4. The degree of B.A. will be conferred on candidates who take Pass standing in the Pass classes and second or third class Honours in the Honour classes of any one of the following courses :

COURSE A.—LITERATURE AND PHILOSOPHY.

Pass Classes.

A.—1. Junior and Senior Latin.

B.—1. Junior and Senior Greek.¹
 2. Junior and Senior Semitic Languages.²
 3. Junior and Senior French.
 4. Junior and Senior German. } Any one.

C.—1. Junior English.
 2. Senior English.
 3. Junior or Senior Philosophy. } Three.

D.—1. Junior Mathematics.
 2. Animal Biology.
 3. Botany. } One.

E.—1. Junior and Senior Greek.³
 2. Junior and Senior Semitic Languages.²
 3. Junior and Senior French.³
 4. Junior and Senior German.³
 5. Senior Philosophy.³
 6. Economics and Politics.
 7. English and Modern History. } Any two.

¹Students taking Greek will not be required to take the class in D.

²Credit will be given for these classes only to those students who proceed to Preliminary and Final Honour Semitic Languages.

³Only for those who have not taken them.

Honour Classes.

1. Preliminary and Final Honour Latin.
 2. Preliminary and Final Honour Greek.
 3. Preliminary and Final Honour Semitic Languages.
 4. Preliminary and Final Honour French.
 5. Preliminary and Final Honour German.
 6. Anglo-Saxon, Preliminary and Final Honour English.
 7. Preliminary and Final Honour History.
 8. Preliminary and Final Honour Political Science.
 9. Preliminary and Intermediate Honour Philosophy.
 10. Final Honour Philosophy. } Any two.

COURSE B.—MATHEMATICS AND PHYSICS.

Pass Classes.

- A.—1. Junior English.
2. Senior English.
3. Junior Mathematics.
4. Senior Mathematics.
5. Junior Physics.
6. Senior Physics.
7. Junior or Senior Philosophy.
- B.—1. Modern History.
2. Economics.
3. Junior or Senior Philosophy.*
4. Junior Chemistry. } Any one.
- C.—1. Junior Latin.
2. Senior Latin.
3. Junior Greek.
4. Senior Greek.
5. Junior French.
6. Senior French.
7. Junior German.
8. Senior German. } Any two.

One of the following Honour Groups:

1. Mathematics—Comprising Honour Mathematics, Preliminary Honour Physics, and subjects 1 and 2 of Final Honour Physics.
2. Physics—Comprising Preliminary and Final Honour Physics, subjects 1, 2, 3, 4, 5, 6, 7, 8, 10, and 12 of Honour Mathematics and Junior Chemistry.

*A student may not take the Philosophy class chosen in A.

COURSE C.—SCIENCE.

Pass Classes.

- A.—Junior and Senior English.
Junior Philosophy.
Junior Mathematics.
Junior Physics.
Junior Chemistry.
Junior French.
Junior German. } Eight.

B.—Senior Mathematics.	} Any four.
Senior Physics.	
Senior Chemistry.	
Pass Mineralogy.	
Pass Geology.	
Pass Animal Biology.	
Senior French <i>or</i> Senior German.	

One of the following Honour Groups:

1. Physics—Preliminary and Final, Experimental, with Preliminary and Final Honours in any one of Chemistry, Botany, Animal Biology, Geology, Mineralogy.

2. Chemistry—Preliminary and Final, with Preliminary and Final Honours in any one of Physics, Botany, Animal Biology, Geology, Mineralogy.

3. Botany—Preliminary and Final, with Preliminary Honour Animal Biology, Preliminary Honour Chemistry.

4. Animal Biology—Preliminary and Final, with Preliminary Honour Botany, Preliminary Honour Chemistry.

5. Mineralogy—Preliminary and Final, with Preliminary Honour Geology, Preliminary Honour Chemistry.

6. Geology—Preliminary and Final, with Preliminary Honour Mineralogy, Preliminary Honour Chemistry.

7. Paleontology—Preliminary and Final Honour Geology, Preliminary Honour Animal Biology, Preliminary Honour Botany.

NOTE.—(a) In 1, Senior Mathematics and Senior Physics must be taken as an option under B.

(b) In 5, 6, and 7, Senior German must be taken as an option under B.

DETAILS OF SUBJECTS OF STUDY FOR B.A. AND M.A. DEGREES.

LATIN.

PROFESSOR—Alfred E. Codd, M.A. (Oxon.), B.A. (Wales).

PROFESSOR OF CLASSICS—George W. Mitchell, M.A.

ASSISTANT PROFESSOR—J. D. Craig, M.A. (St. A.), B.A. (Oxon.).

LECTURER—A. E. Layng, M.A., LL.D. (T. C. D.).

TUTORS—P. C. Caverhill, B.A.; A. G. Scott, B.A.

GENERAL NOTICE TO STUDENTS IN LATIN.

A good Latin dictionary is an absolute necessity. For the Pass classes, Smith's *Smaller Latin-English Dictionary* (Murray) or Lewis' *Latin Dictionary for Schools* (Oxford Press) is recommended. Honour students should procure Harper's *Latin Dictionary* (American Book Co.). All students should provide themselves with a Classical Dictionary—Smith's *Smaller Classical Dictionary* (Everyman's Library) is convenient and cheap—and a Classical Atlas (*Atlas of Classical Geography* in Everyman's Library or Murray's *Classical Atlas*). Gow's *Companion to School Classics* (Macmillan) is a useful general handbook. Honour students should also consult the Cambridge *Companion to Latin Studies*.

PREPARATORY CLASS.

This class will read the texts prescribed for Junior Matriculation, 1916. For grammar and composition Mitchell's *Introduction to Latin Prose* (Macmillan) will be used.

PASS CLASSES.

Junior Class.

1. TRANSLATION from the books specified below, with questions on grammar and subject matter; for grammatical study, Postgate's *New Latin Primer* (Cassell) is prescribed.

Caesar, *De Bello Gallico*, Book II, edited by Rice Holmes (Oxford Press).

Vergil, *Georgics*, Book IV, edited by Page (Macmillan).

Selected Poems from *The Hundred Best Lyrical Poems in the Latin Language*, edited by Mackail (Gowans and Gray).

Lectures will be given on these books, and in the examination one or more passages will be set for translation from Cicero's *Pro Archia*, edited by

Nall (Macmillan), which will not be read in class. The edition of Caesar, mentioned above, is prescribed for special reasons and no other edition will serve the purpose.

2. TRANSLATION AT SIGHT.

3. PROSE COMPOSITION based on the texts read and on Mitchell's *Latin Composition* (Macmillan).

4. ROMAN HISTORY, from 140 to 44 B.C.; Shuckburgh's *History of Rome for Beginners* (Macmillan) is recommended.

5. ANTIQUITIES: Wilkins, *Roman Antiquities* (Macmillan).

Senior Class.

1. TRANSLATION AT SIGHT.

2. PROSE COMPOSITION based on the texts read and on North and Hillard's *Latin Prose Composition* (Rivingtons).

3. GRAMMAR: Text-book as prescribed for the Junior class.

4. ROMAN HISTORY from the foundation of the city to 23 B.C.; Warde Fowler's *Rome* (Home University Library) and Shuckburgh's *History of Rome for Beginners* are recommended.

5. LITERATURE: Wilkins, *Roman Literature* (Macmillan), Parts I and II.

6. TRANSLATION from the books specified below, with attention to grammar and subject matter:

Cicero, *Selections from the Correspondence of Cicero*, edited by Duff (Cambridge Press).

Livy, Book XXI, edited by Trayer (Bell).

Vergil, *Aeneid*, Book IV, edited by Sidgwick (Cambridge Press).

7. STUDY OF THE FOLLOWING WORK IN TRANSLATION:

Tacitus, *Agricola*, translated by Fyfe (Oxford Press) or by Townshend (Methuen).

HONOUR CLASSES.

(*The examination in Preliminary Honours must be passed at least one year before the Final examination.*)

The prescribed books in the Honour classes are so arranged that in any two successive years a student reads representative works of all the greater Latin writers. Most of the books are lectured on and in these a high standard of precise knowledge is required. Essays in history and literary criticism form a regular part of the course and in the subjects for special literary study Seminars are held. In all cases it is desirable that a certain amount of preparatory reading be done before October and students intending to take Preliminary or Final Honours should, if possible, inform the head of the department at the end of the preceding session, when suitable advice will be given.

Preliminary Honours.

1. PROSE COMPOSITION. Allen, *Second Latin Exercise Book* (Oxford Press). Students must provide themselves with a good grammar, such as that of Gildersleeve and Lodge (Macmillan), or of Allen and Greenough (Ginn).

2. TRANSLATION AT SIGHT. Alford, *Latin Passages for Translation* (Macmillan).

3. HISTORY. (a) Revision of the history of the Republic, including a more detailed study of the period of the Gracchi.

(b) The Roman Empire to the death of Hadrian.

Pelham's *Outlines of Roman History* (Rivingtons) is indispensable. For (a) the work of How and Leigh (Longmans) is recommended. For (b) Bury's *Roman Empire* (Murray) must be studied. The *Roman Empire* by Stuart Jones (Putnam) is also recommended. Matheson's *Chronological Outlines of Roman History* (Longmans) is a very useful companion to the above works. Reference may also be made to Warde Fowler's *City State of the Greeks and Romans* (Macmillan), Mommsen's *History of Rome* and *The Provinces of the Roman Empire* (revised edition), and Ferrero's *Greatness and Decline of Rome*.

4. LITERATURE. The history of Latin Literature to the death of Augustus.

Text-Books:

The Oxford Book of Latin Verse (Oxford Press).

Duff, *Literary History of Rome* (Unwin).

Reference should also be made to Mackail's *Latin Literature*, Tyrrell's *Latin Poetry*, and in particular to the works of Sellar, *Roman Poets of the Republic*, Horace and the *Elegiac Poets*, and Vergil.

5. FOR SPECIAL LITERARY STUDY: Vergil, *Eclogue* IV and *Georgics* I-III. Vergil's *Messianic Eclogue* (Murray) is indispensable for the former.

6. LATIN WORKS PRESCRIBED. (Stress will be laid on the literary qualities of the books, on important textual questions, and on points of interpretation, history, or archaeology arising from the subject-matter.)

Plautus, *Rudens*, *Editio Minor* by Sonnenschein (Oxford Press).

Lucretius, Book I, lines 1-158; Book III, edited by Lee (Macmillan).

Cicero, *Philippics*, Book II, edited by Sihler (Heath); *De Amicitia*, edited by Reid (Cambridge Press).

Vergil, *Eclogue* IV; *Georgics*, Books I-III. The complete edition of Vergil by Sidgwick (Cambridge Press) is recommended.

Horace, *Carmen Saeculare* and *Epistles*, Book II. The complete edition of Horace by Page, Palmer and Wilkins (Macmillan) is recommended.

Tacitus, *Annals*, Book I, edited by Furneaux (Oxford Press).
Martial, in *Martialis Epigrammata Selecta*, Vol. I, edited by Bridge and Lake (Oxford Press).

Final Honours.

1. PROSE COMPOSITION. Text-Book, Hardie, *Latin Prose Composition*, Part I (Arnold).

2. TRANSLATION AT SIGHT. Cook and Marchant, *Latin Passages for Unseen Translation* (Methuen).

3. FOR SPECIAL LITERARY STUDY: Vergil, *Aeneid*, Books I-VI.

Vergil, *Aeneid* I-VI, by Fairclough and Brown (Sanborn) is specially recommended for the preliminary purposes of this study. The works on Vergil by Glover and Sellar are also recommended.

4. BRIEF STUDY OF THE PRINCIPAL LATIN METRES.

5. LATIN WORKS PRESCRIBED:

Plautus, *Rudens*, *Editio Minor* by Sonnenschein (Oxford Press).

Lucretius, Book III, edited by Lee (Macmillan). Book V, edited by Duff (Cambridge Press), lines 783-1457.

Cicero, Selected Letters from Abbott's *Letters of Cicero* (Ginn); *Somnium Scipionis* (Oxford Press).

Vergil, *Georgics* IV; *Aeneid*, Books I-VI. The complete edition of Vergil by Sidgwick (Cambridge Press) is recommended.

Horace, *Carmen Saeculare* and *Epistles*, Book I. The complete edition of Horace by Page, Palmer and Wilkins (Macmillan) is recommended.

Livy, Book IX, edited by Anderson (Cambridge Press).

Tacitus, *Annals*, Books I-II, edited by Furneaux (Oxford Press).

Martial, in *Martialis Epigrammata Selecta*, Vol. I, edited by Bridge and Lake (Oxford Press).

EXTRA-MURAL STUDENTS.

Extra-mural courses, Junior, Senior, and Preliminary Honours, will be conducted during the winter session. There will also be Junior and Senior classes in the summer session, under the direct supervision of one of the professors. In these all the work in Composition necessary for the Supplemental examinations in September will be covered.

Instructions and advice will be sent to all students as soon as they register.

It is absolutely necessary that all the prescribed exercises be sent in regularly.

GREEK.

PROFESSOR—T. Callander, M.A. (Aberd. Oxon.).

PROFESSOR OF CLASSICS—G. W. Mitchell, M.A.

ASSISTANT PROFESSOR—J. D. Craig, M.A. (St. A.), B.A. (Oxon.).

LECTURER—A. E. Layng, M.A., LL.D. (T. C. D.).

TUTOR—L. G. Keill, B.A.

PREPARATORY CLASS.

The Preparatory class in Greek will cover the texts prescribed for Junior Matriculation, together with a course in Composition and Greek History.

PASS CLASSES.

Junior Class.

1. TEXTS FOR SPECIAL STUDY:

Lucian, *Vera Historia*, Book II (Bell).

Homer, *Odyssey*, Book IX, edited by Merry.

2. UNSEEN TRANSLATION.

3. COMPOSITION.

Pitman, *Greek Prose Composition*.

4. GRAMMAR.

Goodwin, *Greek Grammar*.

Senior Class.

1. TEXTS FOR SPECIAL STUDY:

Thucydides, Book II (Macmillan).

Homer, *Iliad*, Books XVIII and XXIV (Macmillan); *Odyssey*,
(Butcher and Lang's translation).

The Epistle to the Galatians.

2. UNSEEN TRANSLATION.

3. COMPOSITION.

North and Hillard, *Greek Prose Composition*.

4. GRAMMAR.

Goodwin, *Greek Grammar*.

5. GENERAL READING:

Jebb, *Primer of Greek Literature and Introduction to Homer*.

Maisch, *Greek Antiquities*.

Bury, *School History of Greece*. Every member of the Senior class should make himself familiar with the outlines of Greek History at the beginning of his course. Lectures on this subject will be given during the session.

HONOUR CLASSES.

Candidates for Preliminary and Final Honours in Greek should note that special stress is laid on Composition and Unseen Translation. Passages will also be set for translation from the books specified below. The Greek History required from candidates for Specialists' Certificates is included in the Preliminary Honour examinations and must also be taken.

Books recommended:

Murray, *Greek Literature; Rise of the Greek Epic*.

Goodwin, *Greek Grammar*.

Holm, *History of Greece*.

Bury, *History of Greece*.

Hogarth, *Philip and Alexander*.

Jebb, *Influence of Classical Greek Poetry*.

Butcher, *Some Aspects of the Greek Genius; Harvard Lectures on Greek Subjects*.

Lang, *The World of Homer*.

Tucker, *Life in Ancient Athens*.

Livingstone, *The Greek Genius*.

Greenidge, *Handbook of Greek Constitutional History*.

Burrows, *Discoveries in Crete*.

Gilbert, *Greek Constitutional Antiquities*.

Preliminary Honours.

(The examination in this class must be passed at least one year before the Final examination.)

Instead of the editions mentioned below students may find it convenient to use the Teubner series.

1. TEXTS FOR SPECIAL STUDY:

Thucydides, Book II, edited by Marchant (Macmillan).

Plutarch, *Pericles*.

Homer, *Iliad*, Books I-IV; *Odyssey*, Books V-XII, edited by Merry.

Euripides, *Bacchae*.

Sophocles, *Antigone*, edited by Jebb.

Aristophanes, *Acharnians*, edited by Merry.

2. GREEK GRAMMAR AND COMPOSITION.
Sidgwick, *Greek Prose Composition*.
3. UNSEEN TRANSLATION.
Fox and Bromley, *Models and Exercises in Unseen Translation*.
4. GREEK HISTORY, HISTORY OF GREEK LITERATURE, ANTIQUITIES.

Final Honours.

1. TEXTS FOR SPECIAL STUDY:
Herodotus, Books I and II.
Thucydides, Books I and II.
Demosthenes, *De Corona*, edited by Goodwin.
Plato, *Republic*, Books I-IV, edited by Adam.
Aristotle, *Ethics*, Books I and II.
Plutarch, *Themistocles*, *Pericles*.
Homer, *Iliad*, Books I-VI; *Odyssey*, Books I-XII.
Aeschylus, *Agamemnon*, edited by Sidgwick; *Prometheus*, edited by Sikes and Willson.
Sophocles, *Philoctetes*; *Antigone*, edited by Jebb.
Euripides, *Bacchae*, edited by Tyrrell; *Medea*, edited by Verrall.
Aristophanes, *Knights*; *Frogs*, edited by Merry.
Pindar, *Pythians*, edited by Gildersleeve.
Theocritus (Selections).
2. GREEK GRAMMAR AND COMPOSITION.
Sidgwick, *Greek Prose Composition*.
3. UNSEEN TRANSLATION.
Fox and Bromley, *Models and Exercises in Unseen Translation*.
4. GREEK HISTORY, HISTORY OF GREEK LITERATURE, ANTIQUITIES.

Those who wish to combine Honour Greek with Honours in Philosophy may substitute for the study of Hegel either the *Republic* of Plato or the *Nicomachean Ethics* of Aristotle. In that case certain texts in the above list for Final Honours will be cancelled, namely Demosthenes, Plutarch, and Theocritus.

EXTRA-MURAL STUDENTS.

The work is the same as that prescribed for intra-mural students. To each student registered in Junior or Senior Greek a paper of general instructions will be sent, along with a list of exercises in Unseen Translation and Prose Composition. These exercises must be done regularly and with the greatest possible care. Students in Junior and Senior Greek should procure North and Hillard's *Greek Prose Composition* (Rivingtons) without delay. Extra-mural students in Honours will receive direction individually.

SEMITIC LANGUAGES AND LITERATURE.

PROFESSOR—Rev. W. G. Jordan, B.A., D.D.

ASSOCIATE PROFESSOR—Rev. H. T. Wallace, B.A., Ph.D.

GENERAL NOTICE TO STUDENTS IN HEBREW.

Students in Hebrew, especially those who purpose to do work in Honours, are recommended to provide themselves with a good lexicon, a critical edition of the Hebrew Old Testament, and, if possible, Cowley's translation of Kautzsch's *Gesenius' Hebrew Grammar* (Oxford, 1910). *The Oxford Hebrew Lexicon* by Brown, Driver, and Briggs is expensive but almost indispensable for advanced students. Kittel's *Biblia Hebraica* is the best moderate-priced critical Hebrew Bible. These books are in the University Consulting Library and, in any case, students are expected to use them regularly as books of reference.

PASS CLASSES.

Junior Hebrew.

1. GRAMMAR AND COMPOSITION: the class lectures; exercises in the first twenty chapters of Davidson's *Hebrew Grammar* (Nineteenth Edition. Revised by J. E. McFadyen) (T. and T. Clark); the Regular Verbs, pp. 208-9.

2. TRANSLATION: *Genesis*, Chapter I; *Psalms*, I and CIII; *I Samuel*, Chapters IX-XI.

3. SIGHT TRANSLATION.

Tuesday, Thursday, and Friday at 8. Professor Wallace.

Senior Hebrew.

1. GRAMMAR AND COMPOSITION: the class lectures (one hour a week); exercises in Chapters XX to XXXVIII, inclusive, of Davidson's *Hebrew Grammar* (T. and T. Clark); the Irregular Verbs, pp. 166-177.

2. SYNTAX: the class lectures.

3. TRANSLATION.

Isaiah, Chapters XL-XLIII.

Friday at 3. Professor Jordan.

II Samuel, Chapters XIV-XVIII.

Monday, Wednesday and Saturday at 8. Professor Wallace.

HONOUR CLASSES.

Preliminary Honours.

1. BIBLICAL HEBREW.

(a) *Grammar*: advanced study of the Hebrew Noun; class lectures on the basis of Cowley's translation of Kautzsch's *Gesenius' Hebrew Grammar* (Oxford, 1910), pp. 79-98.

Syntax: the Syntax of the Noun and Adjective in Hebrew; prescribed sections of Davidson's *Hebrew Syntax*.

(b) *Composition*: weekly exercises on §§ 38-48 of Davidson's *Hebrew Grammar* and on prescribed pieces of easy English prose.

(c) *Translation*:

(i) as an illustration of the late period of the classical language,—*Ecclesiastes*, I-VI, *Song of Songs*.

Professor Jordan.

(ii) Hebrew prophetic and poetical literature: *Jonah*, *Amos*, and selections from *Proverbs*.

Professor Wallace.

2. ARABIC.

(a) *Grammar*: introductory outline of the grammar of literary Arabic. Socin's *Arabic Grammar* (English translation) or F. D. Thornton's *Elementary Arabic* (Camb. Univ. Press).

(b) *Translation*: translation in class of selections from Thornton and Nicholson's *Elementary Arabic, First Reading-Book*, and from the Arabic Bible.

Professor Wallace.

3. BIBLICAL ARAMAIC.

(a) *Grammar*: class lectures on the grammar of the Biblical-Aramaic dialect with reference to the other Aramaic dialects. Marti, *Kurzgefasste Grammatik der Biblischen-Aramäischen Sprache* (Berlin, 1911).

(b) *Translation*: reading in class of the Aramaic section of the *Book of Daniel* (II: 4b-VII: 28).

Professor Wallace.

4. HISTORY. Outlines of the general history of Babylonia, Palestine, and Egypt down to 586 B.C.

L. B. Paton, *The Early History of Syria and Palestine*.

C. F. Kent, *A History of the Hebrew People*.

J. C. Todd, *Politics and Religion in Ancient Israel*.

A. H. Sayce, *Early Israel and the Surrounding Nations*.

Final Honours.

1. BIBLICAL HEBREW.

(a) *Grammar*: advanced study of the etymology of the Hebrew Verb; class lectures on the basis of Kautzsch: *Gesenius' Hebrew Grammar* (trans. E. A. Cowley—Oxford, 1910), pp. 114-219.

Syntax: study of the Syntax of the Hebrew Verb; prescribed sections of Davidson's *Hebrew Syntax* and of Driver's *Hebrew Tenses*.

(b) *Composition*: translation into Hebrew of suitable pieces of English prose.

(c) *Translation*:

- (i) careful reading of *Job* I-XI, with emphasis upon the structure of Hebrew poetry.

Professor Jordan.

- (ii) rapid reading of *I Kings* I-IX and *Psalms* CXX-CXXXIV.

- (iii) critical translation of *Genesis* XLIX, *Numbers* XXII-XXIV, *Deuteronomy* XXXII and XXXIII, *Judges* V, and of selections from the Prophetic Books.

Professor Wallace.

2. NEW HEBREW.

- (a) *Grammar*: brief outline of the main differences between classical and post-biblical Hebrew.

- (b) *Translation*: reading in class of the Mishna Tractate, *The Proverbs of the Fathers* (text by C. Taylor, Cambridge, 1877, or H. L. Strack, Berlin, 1888).

Professor Jordan.

3. ARABIC.

- (a) *Grammar*: continuation of the study of Arabic Grammar; introduction to the Irregular Verbs and the Broken Plurals of Nouns. Socin's *Arabic Grammar* (Eng. translation), and F. D. Thornton's *Elementary Arabic*.

- (b) *Translation*: translation in class of selections from Thornton and Nicholson's *Elementary Arabic, First Reading Book*, and of the Arabic version of the *Book of Genesis*, and of selected *Psalms*.

4. ASSYRIAN.

- (a) *Grammar*: elements of Assyrian Grammar particularly with a view to the study of the comparative grammar of the Semitic languages generally.

- (b) *Text*: study of the commonest cuneiform signs, translation of short passages of *The Annals of Ashurbanapal* (Lau and Langdon).

5. HISTORY. Study of the history of the Hebrew nation from the Exile to the fall of Jerusalem in A.D. 70; general outlines of the history of Babylon, Egypt, and the surrounding peoples in so far as these bear upon the history of the Hebrews.

H. P. Smith, *Old Testament History*.

C. F. Kent, *A History of the Jewish People during the Babylonian, Persian, and Greek Periods*.

J. S. Riggs, *A History of the Jewish People during the Maccabean and Roman Periods*.

P. H. Hunter, *After the Exile* (2 vols.).

GERMAN LANGUAGE AND LITERATURE AND GERMANIC PHILOLOGY.

PROFESSOR—J. Macgillivray, Ph.D. (Leipzig).

LECTURER—Thure Hedman, Ph.B. (Chicago).

GENERAL NOTICE TO STUDENTS IN GERMAN.

1. Students in Pass classes are recommended to use Langenscheidt's *Taschenwörterbuch*, or James's, *German Dictionary*.

An all-German dictionary should be used by Honour students. Hoffman's *Deutsches Wörterbuch*, an inexpensive work, is recommended. More complete is the work of Heyne or of Weigand.

2. No candidate will be passed in any examination who has not made the required standing in each of its essential parts. For Pass classes the essential parts are: Translation into English, Translation into German, Composition, Grammar, Literature, Pronunciation, and Dictation. For Honour classes the essential parts are the same as for Pass classes, with the addition of Philology and Orals.

PREPARATORY CLASS.

Students intending to take Honour work in any department should have a fair reading knowledge of German. As many High Schools, however, do not teach this language, the Department conducts a Preparatory class. The following books are used:

W. H. van der Smitten and W. H. Fraser, *German Grammar* (Copp Clark).

Theodor Storm, *Immensee* (Holt).

Wilhelm Rieh', *Der Stadtpfeifer* (Wiesbadener Volksbücher).

Richard von Volkmann-Leander, *Die künstliche Orgel* and *Von Himmel und Hölle* (Velhagen and Klasing).

PASS CLASSES.

Junior Class.

1. TEXTS FOR TRANSLATION AND STUDY:

Gotthold Klee, *Deutsche Mythologie* (Velhagen and Klasing).

Wilhelm Riehl, *Der Stadtpfeifer* (Wiesbadener Volksbücher).

Theodor Storm, *Immensee* (Holt).

Friedrich Gerstäcker, *Germelshausen* (Ginn).

Paul Heyse, *Anfang und Ende* (Ginn).

Ernst von Wildenbruch, *Das edle Blut* (Macmillan).

Selected novelettes from *Moderne erzählende Prosa*, Vol. III (Velhagen and Klasing).

2. GRAMMAR AND SYNTAX.
3. WRITING FROM DICTATION.
4. TRANSLATION AT SIGHT.
5. ORAL AND WRITTEN COMPOSITION.

Senior Class.

1. TEXTS FOR TRANSLATION AND STUDY:

Gotthold Klee, *Deutsche Mythologie* (Velhagen and Klasing).
Isolde Kurz, *Die Humanisten* (Macmillan).
Goethe, *Das Märchen* (Heath), *Balladen* (Macmillan), *Novelle*.
Paul Heyse, *Hochzeit auf Capri* (Heath).
Theodor Storm, *Pole Poppenspüler* (Scribner's).
Conrad Ferdinand Meyer, *Gustav Adolfs Page* (American Book Co.).
Wilhelm Raabe, *Else von der Tanne* (American Book Co.).
Moderne erzählende Prosa, Vol. III (Velhagen and Klasing).
Gottfried Keller, *Das Fähnlein der sieben Aufrechten* (Wiesbadener Volksbücher).

2. GRAMMAR AND SYNTAX.
3. WRITING FROM DICTATION.
4. TRANSLATION AT SIGHT.
5. ORAL AND WRITTEN COMPOSITION.

HONOUR CLASSES.

(The examination in Preliminary Honours must be passed at least one year before the examination in Final Honours).

Preliminary Honours.

1. TEXTS FOR READING, STUDY AND DISCUSSION (in German and as German):

Gustav Frenssen, *Jörn Uhl*, Chapters I-VII.
Moderne erzählende Prosa (Velhagen and Klasing).
Theodor Storm, *Der Schimmelreiter* (Ginn).
Prinz von Schönaich-Carolath, *Lichtlein sind wir*, *Die Kiesgrube*, *Die Wildgänse* (Götschen).
Schiller, *Wilhelm Tell* (Ginn), *Poems* (Holt).
Goethe, *Faust*, Part I; *Gedichte* (Holt); *Das Märchen* (Heath); *Novelle* (Ehlermann).

Lessing, *Nathan der Weise* (Macmillan).

A. F. T. Vilmar, *Das Nibelungenlied* (Wiesbadener Volksbücher).

Otto Lyon, *Literaturkunde*, pages 26-64 (Teubner).

2. GRAMMAR AND SYNTAX.

3. WRITING GERMAN FROM DICTATION.

4. SIGHT TRANSLATION.

5. ORAL AND WRITTEN COMPOSITION, based on, or connected with, the works read.

6. ABRISS DER DEUTSCHEN GESCHICHTE (Vorlesungen).

Final Honours.

Candidates for the M.A. degree must take all the work outlined below; candidates for Specialists' standing may omit either II or III.

The work in Preliminary Honours is repeated in this class.

I.

Gustav Frenssen, *Jörn Uhl*.

Schiller, *Wallensteins Tod* (Holt), and *Die Jungfrau von Orleans* (Ginn).

Goethe, *Iphigenie auf Tauris*, *Torquato Tasso*, *Gedichte* (Holt).

Lessing, *Emilia Galotti* (Heath).

Joseph Wright, *Primer of Old High German* (Clarendon Press).*

Das Nibelungenlied (ausgewählte Stellen); or, *Walther von der Vogelweide* (ausgewählte Gedichte).*

Wilhelm Braune, *Althochdeutsches Lesebuch* and *Gotische Grammatik mit ausgewählten Lesestücken*.*

II.

Otto Ludwig, *Zwischen Himmel und Erde* (Heath); *Der Erbförster* (Holt).

Friedrich Hebbel, *Die Nibelungen* (Velhagen and Klasing).

Eduard Mörike, *Mozart auf der Reise nach Prag* (Wiesbadener Volksbücher).

Conrad Ferdinand Meyer, *Jürg Jenatsch* (Macmillan).

Gottfried Keller, *Dietegen* (Ginn); *Romeo und Julia auf dem Dorfe* (Holt); *Die drei gerechten Kammacher, Kleider machen Leute* (Heath).

III.

Hermann Sudermann, *Frau Sorge* (Holt); *Die Heimat* (Heath).

Gerhart Hauptmann, *Die versunkene Glocke* (Heath).

Gustav Frenssen, *Jörn Uhl*.

Ernst Zahn, *Lukas Hochstrassers Haus*.

Wilhelm Raabe, *Die Chronik der Sperlingsgasse*.

Rudolf Herzog, *Die Wiskottens*.

Enrica von Handel-Mazzetti, *Die arme Margret*.

*Students not desiring to qualify for Specialists' standing may omit Philology and offer instead approved works in German History, or Philosophy, or Political Science. The following books are, however, recommended:

Reinhold Günther, *Deutsche Kulturgeschichte* (Göschel).

Otto Kaemmel, *Der Werdegang des deutschen Volkes* (Reimer).

Georg Simmel, *Hauptprobleme der Philosophie* (Göschel).

Oswald Külpe, *Die Philosophie der Gegenwart in Deutschland* (Teubner).

Carl Fuchs, *Volkswirtschaftslehre* (Göschel).

Thomas Achelis, *Soziologie* (Göschel).

The German Club.

This Club is open to all students and meets fortnightly. Instructors and others take part in it. Its work is practical, and consists of lectures, discussions, conversation, dramatic performances, etc.

EXTRA-MURAL STUDENTS.

The work for extra-mural students, Pass and Honour, is the same as for intra-murals. Lessons are sent out regularly during the session. They indicate the amount of work to be done and give specific instructions and suggestions. A statement containing general instructions and suggestions will be sent on registration.

ROMANCE LANGUAGES AND LITERATURE.

PROFESSOR—P. G. C. Campbell, M.A. (Oxon.).

LECTURER—L. Harrison, B.A. (Cantab.), L-ès-L. (Paris) (absent on leave).

LECTURER—J. P. R. Marichal, L-ès-L. (Paris), B-ès-Sc. (Caen).

LECTURER IN ITALIAN AND SPANISH—J. H. Brovedani, Docteur de l'Université de Rennes.

FELLOW—Miss Alma Price, M.A.

FRENCH.

GENERAL NOTICE TO STUDENTS IN FRENCH.

1. No good work in French can be done without a large dictionary. Small pocket editions are worse than useless. One written entirely in French is best, and *Le Petit Larousse Illustré* (1914 edition), while recommended for all classes, is indispensable for Honour students. Those who find they require an English-French Dictionary may try Gasc's *Student's Dictionary* (Holt), or Cassell's.

2. Passy's *Sounds of the French Language* (Clarendon Press) or Dumville, *Elements of French Pronunciation* (Dent), are recommended to those who are desirous of studying systematically and scientifically the correct pronunciation of French.

3. The *Wellington College French Grammar*, while indispensable for Honour students, is strongly recommended to the Pass students as a book of reference. Armstrong's *Syntax of the French Verb* (Holt) is also recommended.

4. Kron's *French Daily Life* is highly recommended to students as giving a very good and accurate idea of French manners, customs, society, and institutions. It is valuable as a book of constant reference. A most useful reference book for proverbs and idioms is Payen-Payne, *French Idioms and Proverbs* (Nutt).

PREPARATORY CLASS.

The Preparatory class in French will cover the work prescribed for Junior Matriculation. A knowledge of Siepmann's *Short French Grammar* (Macmillan) will also be required.

PASS CLASSES.

Junior Class.

1. PRESCRIBED TEXTS (to be studied from the point of view of subject matter as well as of translation):

- Malot, *Sans famille* (Heath).
- De Maistre, *La Jeune Sibérienne* (Ginn).
- Bazin, *Contes Choisis* (Heath).
- Labiche, *La Grammaire* (Heath).
- Michelet, *Jeanne d'Arc* (Blackie).

2. GRAMMAR AND SYNTAX, treated by the Inductive Method.

- Siepmann, *Short French Grammar* (Macmillan).
- Marichal, *Vocabulaire français* (Bell and Sons).

Mr. Brovedani.

3. TRANSLATION INTO FRENCH.

- Duhamel and Minssen, *Primer of French Prose Composition* (Rivingtons).

4. WRITING FRENCH FROM DICTATION, AND ORAL WORK.

NOTE.—Intra-mural students will be examined during the term in Dictation.

Section A meets at 9 o'clock every day; Section B meets at 12 o'clock every day.

Senior Class.

1. PRESCRIBED TEXTS (to be studied from the point of view of subject matter as well as of translation):

- Daudet, *Tartarin de Tarascon* (Macmillan).
- Balzac, *Cinq Scènes de la Comédie Humaine* (Heath).
- Victor Hugo, *La Chute* (American Book Co.).
- Berthon, *Modern French Verse* (Macmillan), Selections.
- Molière, *Les Précieuses Ridicules* (to be studied in an English translation), *Le Médecin malgré lui* (Macmillan).

2. A THOROUGH STUDY OF GRAMMAR AND SYNTAX, treated by the Inductive Method.

- Siepmann, *Short French Grammar* (Macmillan).

3. TRANSLATION INTO FRENCH.

- Duhamel and Minssen, *French Prose Composition for Middle Forms* (Rivingtons).

Friday at 10 and 12.

4. WRITING FRENCH FROM DICTATION, AND ORAL WORK.

Mr. Marichal.

NOTE.—Intra-mural students will be examined towards the end of March in Dictation, Reading aloud and Conversation.

5. LITERATURE. A knowledge of the life and thought of Rabelais, Montaigne, Corneille, Molière, Racine, Voltaire, Rousseau, Victor Hugo, Balzac. A study of the Romantic Movement.

Kastner and Atkins, *Short History of French Literature* (Holt).

NOTE.—Intra-mural students will be examined during the term on the Literature.

6. ESSAYS—Nov. 30—*The changes introduced by the Romantic School in Versification.*

Feb. 18—*The causes of the political and economic unrest in France in the XVIIIth Century.*

Section A meets at 10 o'clock every day; Section B meets at 12 o'clock every day.

HONOUR CLASSES.

(*The examination in Preliminary Honours must be passed at least one year before the Final examination.*)

Students are strongly advised to study the examination papers of the last seven years, as affording some guide to their studies.

In Literature the following subjects will be lectured on during the session: *The Dramatic Struggle in Racine's Plays; The French view of the English; The nature of the Comic; Montaigne.*

Wednesday at 12. Professor Campbell.

Preliminary Honours.

1. PRESCRIBED TEXTS (with special lectures on the books indicated by asterisks):

*Darmesteter and Hatzfeld, *Morceaux choisis du XVI^e siècle*. Selections.

Corneille, *Horace* (Hachette).

*Racine, *Mithridate* (Hachette).

*Molière, *L'Ecole des Femmes* (Pitt Press).

La Bruyère, *Selections* (Macmillan).

Anatole France, *Le Crime de Sylvestre Bonnard* (Holt).

*Victor Hugo, *Les Travailleurs de la Mer* (Heath).

The Poetry of Victor Hugo, edited by Edgar & Squair, (Ginn).

De Musset, *Fantasio*. *On ne badine pas avec l'amour*. *Il faut qu'une porte soit ouverte ou fermée* (Heath).

*Sainte-Beuve, Chateaubriand, Madame Récamier, *Qu'est-ce qu'un Classique?* *Roman de Renart*, Alfred de Musset, *Histoire de l'Académie Française*. These essays are contained in *Selected Essays from Sainte-Beuve* (Ginn).

Legouis, *Défence de la Poésie française* (Constable).

2. UNSEEN TRANSLATION.

3. WRITING FRENCH FROM DICTATION.

NOTE.—Intra-mural students will be examined during the term in Dictation, Reading and Conversation.

4. TRANSLATION INTO FRENCH.

Duhamel, *Advanced French Prose Composition* (Rivingtons).

5. FREE COMPOSITION IN FRENCH.

Marichal, *French Essays and Essay Writing* (Dent).

One hour a week.

6. THE HISTORY OF FRENCH LITERATURE, comprising the following subjects and authors in Lanson's *Histoire de la Littérature Française*:—Renaissance, Rabelais, Calvin, Les théories de la Pléiade, Montaigne, La Langue française au XVII^{me} siècle, Corneille, Molière, Descartes, Boileau, Racine, La Fontaine, Vue générale du XVIII^{me} siècle, Voltaire, Diderot, Rousseau, Montesquieu, Beaumarchais, L'influence de la Révolution sur la Littérature, Chateaubriand, Le mouvement romantique, Victor Hugo, Dumas, Gautier, De Musset, and Balzac. In addition, students will be held responsible for a knowledge of the special subjects and authors lectured on by Professor Campbell.

7. THE THEORY OF PHONETIC CHANGE AND HISTORY OF THE FRENCH LANGUAGE.

One hour a week. Professor Campbell.

8. COMPOSITION—Subjects for Essays and the date by which each Essay must be handed in:—

(Students must write these Essays before being allowed to sit for examination.)

Dec. 1—Trace the evolution of Comedy from Molière to Beaumarchais.

Feb. 9—A critical study of Horace.

Final Honours.

NOTE.—Students in Specialists' Course IV will take Part I and either Part II or Part III.

I.

Seminary in:—

1. TRANSLATION INTO FRENCH PROSE.

Duhamel, *Advanced French Prose Composition* (Rivingtons).

2. UNSEEN TRANSLATION FROM FRENCH AUTHORS.

3. FREE COMPOSITION IN FRENCH.

Marichal, *French Essays and Essay Writing* (Dent).

4. WRITING FRENCH FROM DICTATION.

NOTE.—Intra-mural students will be examined in Dictation during the term.

5. ORAL EXERCISES IN FRENCH.

6. A GENERAL KNOWLEDGE OF GRAMMAR, SYNTAX, AND IDIOMS.

II.

1. HISTORY OF FRENCH LITERATURE; the same subjects as prescribed for Preliminary Honours, and a special study of different subjects and authors each year, to be lectured on by Professor Campbell. For 1915-16 see subjects given at the beginning of the prescription for Honours.

2. THE PRINCIPLES OF LITERARY CRITICISM, in outline, applied to French Literature. The following books should be consulted:

Aristotle, *Poetics*, edited by Butcher. *The Essays*.

Courthope, *Life in Poetry, Law in Taste*.

Bradley, *Oxford Lectures on Poetry*.

3. PRESCRIBED TEXTS (with special attention to those marked with an asterisk):

*Darmesteter and Hatzfeld, *Morceaux choisis du XVI^{me} siècle* (selections).

Corneille, *Horace* (Hachette); *Le Cid* (Macmillan).

*Molière, *L'Ecole des Femmes* (Pitt Press).

*Racine, *Mithridate* (Hachette).

La Bruyère, *Selections* (Macmillan).

Anatole France, *Le Crime de Sylvestre Bonnard* (Holt).

*Victor Hugo, *Les Travailleurs de la Mer* (Heath).

The Poetry of Victor Hugo, edited by Edgar and Squair (Ginn).

De Musset, *Fantasio*. *On ne badine pas avec l'amour*. *Il faut qu'une porte soit ouverte ou fermée* (Heath).

Sainte-Beuve, *Selected Essays* (Ginn).

Bourget, *Un Saint* (Macmillan).

Legouis, *Défense de la Poésie Française* (Constable).

III.

1. THE HISTORY OF THE FRENCH LANGUAGE.

(a) Phonetics and Morphology of Old French.

(b) Study of Syntax to the 17th Century.

(c) Semantics.

(d) Study of the chief Dialects.

(e) Elements of the Philology of the other Romance Languages.

(f) Elements of Palæography.

(g) History of Mediæval Literature.

(h) Study of old French Texts:—*Aucassin et Nicolette*. *La Chanson de Roland* (Ginn).

Mr. Marichal.

Books suggested for reference:

Nyrop, *Grammaire historique de la Langue française*.

Meyer Lübke, *Grammaire des Langues romanes*.

Brunot, *Histoire de la Langue française*.

Schwann-Behrens, *Grammatik des Altfranzösischen*.

Gröber, *Grundriss von Romanischer Philologie*.

2. TEXTS FOR RAPID READING (to be studied for the subject matter rather than for translation):

Molière, *Tartuffe*, *L'Avare*, *Le Misanthrope*, *Les Précieuses ridicules*, *l'Ecole des Femmes*.

Racine, *Athalie*, *Mithridate*, *Phèdre*, *Britannicus*.

Daudet, *Tartarin sur les Alpes*, *Tartarin de Tarascon* (Heath),
Tartarin de Port Tarascon, *Lettres de mon Moulin* (Macmillan).

3. THE HISTORY OF FRENCH LITERATURE (see Part II, 1).

THESIS—Students in Final Honours are required to write a thesis on some subject connected with French Literature, the choice of which is left to the student, subject to the approval of the professors of the department. This thesis will be considered in awarding the standing in the Final examination. It must be handed in not later than March 1.

FRENCH CLUB.

In connection with this department there is a Club for the encouragement of conversation in French. It is open to all students. In addition to conversation, papers are read and debates held in French.

EXTRA-MURAL STUDENTS.

Extra-mural students should obtain competent teachers for oral instruction. Pass candidates may take the oral examination at outside centres, provided an examiner approved by the Senate be obtained; but Final Honour candidates must pass their oral examinations at the University.

No extra-mural student will be admitted to examination, unless he has written all the prescribed Essays and at least 80 per cent. of the prescribed proses.

Junior Class.

Students on registering will receive instructions as to the prescribed proses and other work. The work is the same as for intra-mural students. Revision papers on the various prescribed texts will be sent during the course of the term.

The prescribed text-book for prose is Duhamel and Minssen's *Primer of French Prose Composition* (Rivingtons).

Essays on the following subjects are to be sent in at the dates specified:

Nov. 20—*Give your impressions of the French national character.*

Feb. 9—*The work and policy of Richelieu.*

Senior Class.

The work prescribed is the same as for intra-mural students. The same books will be used in every case. Students on registering will receive instructions as to the Proses and other exercises prescribed. Revision papers on the various prescribed texts will be sent during the course of the term.

Preliminary and Final Honours.

The work is the same as for intra-mural students, save for the Philology. Students will have no assistance in getting up the Philology. The text-book for the Philology of the Preliminary Honours is Darmesteter's *Cours de Grammaire Historique* (1st Part "Phonétique").

ITALIAN.

Voluntary Class.

CONVERSATION AND THE READING OF TEXTS.

Grandgent, *Italian Grammar* (Heath).

Grandgent, *Italian Composition* (Heath).

Goldoni, *Il vero Amico* (Heath).

Manzoni, *I Promessi Sposi* (Heath).

Wilkins and Altrocchi, *Italian Short Stories* (Heath).

The Dictionary recommended is Melzi, *Nuovissimo vocabolario italiano*.

Two hours a week. Mr. Brovedani.

SPANISH.

Junior Class.

1. ORAL WORK.

Worman, *First Spanish Book* (American Book Co).

Giese and Cool, *Spanish Anecdotes* (Heath).

Two hours a week. Mr. Brovedani.

2. GRAMMAR AND TRANSLATION.

Hills and Ford, *Spanish Grammar* (Heath).

Ford, *Spanish Composition* (Heath).

Carter and Malloy, *Cuentos Castellanos* (Heath).

Two hours a week. Mr. Brovedani.

ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR—James Cappon, M.A.

ASSOCIATE PROFESSOR—W. E. McNeill, M.A., Ph.D. (Harv.).

ASSISTANT PROFESSOR—John F. Macdonald, M.A.

ASSISTANT PROFESSOR—W. D. Taylor, M.A. (Glasgow), B.A. (Oxon.).

ASSISTANT PROFESSOR OF PUBLIC SPEAKING—L. D. Fallis, B.A.

LECTURER—Fred B. Millett, B.A.

INSTRUCTOR AND READER—Miss Wilhelmina Gordon, M.A.

TUTORS—J. S. Cornett, M.A.; G. E. Reaman, M.A.

PASS CLASSES.

Junior Class.

1. PRACTICAL COURSE IN COMPOSITION. The various forms of prose discourse. The whole theme, the paragraph, the sentence, diction. Lectures, weekly themes, and conferences.

Sec. A, Monday and Wednesday at 8; Sec. B, Tuesday and Thursday at 8. Mr. Millett.

2. STUDY OF PROSE AUTHORS IN SELECTED PASSAGES. Bacon, Addison, Johnson, Hazlitt, Lamb, Macaulay, Carlyle, and Arnold. *Selected English Essays* (Oxford Univ. Press); *An Anthology of English Prose* (Everyman's Library).

First term. Sec. A, Tuesday and Thursday at 8; Sec. B, Monday and Wednesday at 8. Professor Taylor.

3. POETICAL LITERATURE. Shakespeare, *Macbeth*; Herrick; Herbert; Milton, *L'Allegro*, *Il Penseroso*, *Lycidas*; Pope, *An Essay on Criticism*; Thomson, *Winter*; Burns; Wordsworth, *To the Cuckoo*, *I wandered lonely as a cloud*, *On the Extinction of the Venetian Republic*; Scott, *Lay of Rosabelle*; Tennyson, *You ask me why*, *In Memoriam* (Part of the Epilogue).

With the exception of *Macbeth*, the above texts may be found in *Manly's English Poetry* (Ginn).

Second term. Sec. A, Tuesday and Thursday at 8; Sec. B, Monday and Wednesday at 8. Professor Taylor.

4. PUBLIC SPEAKING. For an outline of the course see the announcement under the heading of PUBLIC SPEAKING.

One hour a week; four sections; hours to be arranged. Professor Fallis.

Senior Class.

1. HISTORY OF LITERATURE. Main Currents in Literature from Chaucer to Dr. Johnson. Principles and Standards in Criticism. Development of Poetic Forms.

(a) The following topics receive special treatment:

Anglo-Saxon Origins.
The Poetry of Chaucer.
The Ancient and Modern Ballad.
History of the Sonnet.
Origin of the English Drama.
Development of Blank Verse.
Literary Characteristics of the Eighteenth Century.
The School of Dryden and Pope.
Development of the Rhymed Couplet.

(b) Specimens to be read in connection with the above course:

Chaucer, *Prologue* (The Knight, the Squire, the Prioress, the Monk, the Clerk, the Franklin, the Parson).

Ballads: *Sir Patrick Spens*, *The Hunting of the Cheviot* (Chevy Chase), *Jamie Telfer*; Tickell, *Lucy and Colin*; Coleridge, *The Rime of the Ancient Mariner*; Scott, *The Eve of St. John*; Wordsworth, *Ruth*; Tennyson, *The Lord of Burleigh*, *Lady Clare*; Kipling, *The Ballad of East and West*, *The Bolivar*.

Sonnets: Milton, *To the Lord General Cromwell, On His Blindness, On the Late Massacre in Piedmont*; Wordsworth, *Milton! Thou should'st be living at this hour, Scorn not the Sonnet*; Rossetti, *A sonnet is a moment's monument*; Gilder, *What is a sonnet?*

Dryden, *Epistle to Mr. Congreve*, the descriptions of Achitophel and Zimri in *Absalom and Achitophel*, *Alexander's Feast*.

Pope, *Epistle to Dr. Arbuthnot*, *An Essay on Man* (Book I).

Gray, *Elegy Written in a Country Churchyard*, *The Progress of Poesy*.

Johnson, *The Vanity of Human Wishes*.

Goldsmith, *The Deserted Village*.

(c) Books of reference:

Gosse, *A History of Eighteenth Century Literature*, Chapters 1, III, IV, IX, X, XI.

Saintsbury, *Historical Manual of English Prosody*.

Sec. A, Wednesday at 10; Sec. B, Thursday at 2.

Professor Cappon.

2. A DETAILED STUDY IN CLASS OF THE FOLLOWING TEXTS:

(a) Shakespeare, *Hamlet*.

Browning, *Meeting at Night*, *Evelyn Hope*, *Home Thoughts from Abroad*, *My Last Duchess*, *The Epilogue to Asolando*.

Carlyle, *Essay on Burns*.

First term. Sec. A, Monday and Wednesday at 2; Sec. B, Wednesday at 3 and Friday at 2. Professor Macdonald.

(b) Milton, *Paradise Lost* (Book I).

Wordsworth, *Lines composed a few miles above Tintern Abbey*,
Lucy Gray, *Expostulation and Reply*, *The Tables Turned*.

Keats, *Ode to a Nightingale*.

Macaulay, *Boswell's Life of Johnson*.

Arnold, *Essay on Wordsworth*.

Second term. Sec. A, Monday and Wednesday at 2; Sec. B, Wednesday at 3 and Friday at 2. Professor Taylor.

3. HISTORY OF THE LANGUAGE. Lectures, prescribed reading, and the study of Middle English Texts.

Chaucer, *Prologue*.

Layamon, *Brut* (The Death of Arthur).

Emerson, *The History of the English Language* (Selections).

Sec. A, Tuesday at 10; Sec. B, Tuesday at 2. Professor McNeill.

4. DEBATING or COMPOSITION.

(a) Debating. Lectures will be given on the principles of Argumentation and of Public Speaking, but the work of the class will consist chiefly of practical training in debating. Speeches will be criticised from the point of view of matter, organization, phrasing, and delivery.

Sec. A, Friday at 8; Sec. B, Monday at 2. Professor McNeill and Professor Fallis.

(b) Composition. Lectures on the principles of effective writing. Practice in the writing of Exposition, Argument, Description, and Narration.

Sec. A, Friday at 2; Sec. B, Friday at 8. Professor McNeill and Mr. Millett.

NOTE.—With the exception of *Hamlet*, a few ballads, and the prose, all the prescribed texts in Senior English may be found in Manly's *English Poetry* (Ginn).

HONOUR CLASSES.

(Students must take the Preliminary Honour examination before entering the Final Honour class.)

The class in Anglo-Saxon may be taken along with Senior, Preliminary Honour, or Final Honour English.

Anglo-Saxon.

1. GRAMMAR. Bright, *Anglo-Saxon Reader* (Holt).
2. TRANSLATION AND STUDY of the following passages:

Account of the Poet Cædmon.
Wars of Alfréd the Great.
Preface to the Cura Pastoralis.
The Voyages of Ohthere and Wulfstan.
The Conversion of Edwin.
Assumption of St. John the Apostle (3 pages).
The Offering of Isaac.
The Battle of Maldon (ll. 243-325).
Béowulf (150 lines).

NOTE.—Heyne's *Béowulf* (tenth edition, revised by Schücking) is recommended for those who are familiar with German, and Wyatt's edition for those who desire notes and vocabulary in English. The other passages for translation may be found in Bright's *Anglo-Saxon Reader*.

3. ANGLO-SAXON VERSIFICATION.

4. HISTORY OF ANGLO-SAXON LITERATURE.

Monday and Thursday at 3. Professor McNeill.

Preliminary Honours.

1. (a) INTRODUCTORY STUDIES IN EIGHTEENTH CENTURY LITERATURE.

The Diction and Versification of Addison, Garth, Thomson.
The Critical Principles and Standards of Dr. Johnson.
Gibbon's Moral Interpretation of Life in History.
The Poetry of Cowper. *Table Talk*, *The Task* (Book I).

(b) THE LITERATURE OF THE NINETEENTH CENTURY.

Wordsworth, *The Prelude*, Books I, II, III, IV; *The Thorn*,
Simon Lee, *The Last of the Flock*, *The Idiot Boy*, *Expostulation and Reply*, *The Tables Turned*, *The Complaint of a Forsaken Indian Woman*, *Lines Composed a Few Miles above Tintern Abbey*, *Heart Leap Well*, *There Was a Boy*, *Lucy Gray*,
Ruth, *Lines Written upon a Tablet*, *The Two April Mornings*,
Nutting, *Three Years She Grew*, *The Sailor's Mother*, *The Old*

Cumberland Beggar, Michael; the poems published as "Memorials of a Tour in Scotland (1803)"; the poems "dedicated to National Independence and Liberty," *Yew Trees, She was a Phantom of Delight, I Wandered Lonely as a Cloud, Resolution and Independence, Song at the Feast of Brougham Castle, Laodamia, Dion, Peter Bell, Fidelity, Ode to Duty, Character of the Happy Warrior, Ode (Intimations of Immortality), Excursion* (Book I).

First term. Monday and Tuesday at 11. Professor Cappon.

2. THE LITERATURE OF THE NINETEENTH CENTURY (continued).

The Romantic Movement at the beginning of the Nineteenth Century: Scott and Campbell; Byron, *Bride of Abydos, Childe Harold* (Cantos I-III).

Keats, *Ode on a Grecian Urn, Ode to a Nightingale, Isabella, Lamia*. Shelley, *Alastor, Ode to the West Wind, Hymn of Pan, Stanzas Written in Dejection near Naples, Lines Written among the Euganean Hills*.

Clough, *Through a Glass Darkly, Ah! Yet Consider it Again, Quia Cursum Ventus*.

Browning (a) *The Grammarian's Funeral, Andrea Del Sarto, Fra Lippo Lippi, Pictor Ignotus, The Bishop Orders his Tomb, Bishop Blougram, How it strikes a Contemporary Epistle of Karshish, Cleon*; (b) *Abt Vogler, Rabbi Ben Ezra, A Toccata of Galuppi's, The Laboratory, The Glove, Dis Alter Visum, Youth and Art, Waring, The Englishman in Italy, Old Pictures in Florence*.

Arnold, *Essays on Byron and Gray; Sonnets, Quiet Work, To a Friend; Written in Emerson's Essays; Memorial Verses*.

Canadian Poetry: Lampman, Roberts, Drummond. (Read Cappon's *Roberts and the Influences of his Time*.)

Second term. Monday and Tuesday at 11. Professor Cappon.

3. THE LITERATURE OF THE NINETEENTH CENTURY (continued).

Carlyle, *Sartor Resartus*, Book I, Chapters I, III, IV; Book II, Chapters I, II, III, V, VII, VIII, IX; Book III, Chapters III, IV, V, VII, VIII; *Past and Present* (Chapters: Mammonism, Dilettantism, Labour, Reward, Democracy).

Emerson, *The Method of Nature*.

Arnold, *The Literary Influence of Academies, The Study of Poetry*.

Second term. Wednesday at 11. Professor Cappon.

4. (a) THE DRAMATIC WORK OF SHAKESPEARE. Principles of Greek, French Classical, and Elizabethan Tragedy.

(b) THE LANGUAGE FORMS OF CHAUCER.

First term. Wednesday and Thursday at 11.

Second term. Thursday at 11. Professor McNeill.

5. SEMINARY AND TUTORIAL.

- (a) Tennyson, *Ulysses*.
Keats, *Isabella*.
Scott, *Old Mortality*.
Thackeray, *Vanity Fair*.

First term. Friday at 11. Professor Taylor.

- (b) Arnold, *On Translating Homer*.

Wordsworth } Poems selected from sections 1 and 2.
Browning }

Second term. Friday at 11. Professor Macdonald.

Final Honours.

1. STUDIES IN CHAUCER.

- (a) Sources of information about Chaucer's life; his learning; his literary inheritance; French and Italian influence; his literary development; the relation of his work to the life of the time.
- (b) Origin and development of the octosyllabic couplet; origin and development of the decasyllabic verse.

In connection with this course the following works will be read: *The Romaunt of the Rose* (Fragment A), *The Complaynte unto Pite*, *The Book of the Duchess*, *The Parlement of Foules*, *Chaucers Wordes unto Adam*, *The Former Age*, *Truth*, *Gentilesse*, *Lak of Stedfastnesse*, *Lenvoy de Chaucer a Bukton*, *The Complaynt of Chaucer to his Empty Purse*, *The House of Fame*, *The Legend of Good Women* (Prologue), *The Canterbury Tales* (The Prioresses Tale, Sir Thopas, The Nonne Preestes Tale, The Pardoner's Tale, The Chanouns Yemannes Tale). In addition, *Troilus and Criseyde* and some of the longer *Canterbury Tales* will be discussed in the lectures. The text used will be Skeat's *The Student's Chaucer* (Oxford Univ. Press).

The following books should be consulted:

Ten Brink, *Chaucer: Studien zur Geschichte seiner Entwicklung; Chaucer's Sprache und Verskunst*. (These may be had in an English translation).

Saintsbury, *A History of English Prosody* (Vol. I).

Gaston Paris, *La Littérature Française au Moyen Age*, Section II, Chapter V (*Le Roman de la Rose*); Section III, Chapters I and II; *Esquisse Historique de la Littérature Française au Moyen Age*, Paragraphs 120 to 152.

Monday at 11. Professor McNeill.

2. SEMINARY AND TUTORIAL. Milton, Shelley, and Keats.

Tuesday at 11. Professor Taylor and Miss Gordon.

3. (a) THE LATER SCHOOLS OF NOVELISTS, with special reference to the work of Jane Austen, Scott, Dickens, Flaubert, Zola, Hardy, Meredith, Howells, and Tolstoi.

Professor Cappon and Professor Macdonald.

- (b) ENGLISH DRAMA from Shakespeare to Byron and Tennyson.

Second term. Wednesday at 11. Professor McNeill.

- (c) CONTEMPORARY DRAMA, with special reference to the work of Ibsen, Hauptmann, Shaw, and Pinero.

Professor Cappon.

4. STUDIES IN VERSIFICATION.

- (a) The structure of the stanza. Dante's theory of the stanza, the 4-line stanza, the 7-line stanza, the Spenserian stanza.

- (b) Modern lyrical forms; the heroic and elegiac quatrain, the fourteen-er, etc.

Professor Cappon.

5. (a) STANDARDS AND PRINCIPLES IN ART AND LITERATURE.

Principles of Art in Sir Joshua Reynold's *Discourses*.

Ruskin, *Modern Painters*, Vol. I: Preface to the Second Edition; Part I, Sec. I, Chapters I-II (Introductory, Greatness in Art); Vol. III: Part IV, Chapters IV-VII (The False Ideal, The True Ideal); Chapter XII (The Pathetic Fallacy); Chapter XVIII (The Teachers of Turner). *Stones of Venice*, Vol. II (The Nature of Gothic, Sections I-LXXII).

The Pre-Raphaelite Movement in its relation to aesthetic, romantic, and naturalistic movements in literature, with illustrations.

Ruskin's view of the relation of Art to national life. Giotto and Raphael, with illustrations. Read *Mornings in Florence* (Santa Croce, The Golden Gate, Before the Soldan.).

Theories of Aesthetics.

Ruskin's Criticism of Modern Society. Read *Geneva* (in *Praeterita*).

- (b) RISE OF THE AESTHETIC SCHOOLS. Poetry in the Eighties.

Rossetti and Morris; Dobson, Lang, Henley.

INFLUENCE OF SYMBOLISM (Verlaine and Maeterlinck).

Henley, Symons.

THE NEW CELTIC IDEALISM. William Sharpe (Fiona Macleod), W. B. Yeats, J. M. Synge (*Deirdre of the Sorrows*, *The Play-boy of the Western World*), Moira O'Neil.

(c) GENERAL READING:

Carlyle, *Life of John Sterling*, Part I.

Jane Austen, *Emma*.

Ibsen, *A Doll's House*.

Professor Cappon.

Professor Cappon's lectures will be given as follows:

First term: Wednesday, Thursday, and Friday at 11.

Second term: Thursday and Friday at 11.

EXTRA-MURAL STUDENTS.

There are tutorial courses for extra-mural students in Junior, Senior, and Honour English. The subjects of study are the same as those prescribed for intra-mural students. Extracts from Professor Cappon's lectures are sent regularly to extra-mural students in all the classes for the purpose of indicating the range and standard of work required and the methods of analysis and criticism used. Along with the extracts are sent directions for study and questions on the work prescribed. The exercises must be written promptly and forwarded to the Tutor in English for correction. To supplement this instruction students in Senior English and in Anglo-Saxon will find it helpful to use the following manuals:

Senior Class.

Corson, *Primer of English Verse*.

Saintsbury, *Historical Manual of English Prosody*.

Anglo-Saxon.

Emerson, *The History of the English Language*.

Ten Brink, *Early English Literature* (Book I); or some other good history of Anglo-Saxon Literature.

PUBLIC SPEAKING.

ASSISTANT PROFESSOR—L. D. Fallis, B.A.

PASS CLASSES.

Junior Class.

1. VOCAL EXPRESSION.—The study of voice and body as natural agents of expression. The relation of thought and feeling to the modulations of voice and body—pause, touch, change of pitch, tone-color, inflection, movement, texture, gesture, poise, bearing; the development of these modulations through psychic processes. S. S. Curry's *Foundations of Expression*.

2. VOCAL TRAINING.—A study of the correct methods of breathing. The relation of breathing to tone production. The subject of action and its relation to the voice. This course consists of exercises, both physical and mental, for the development of pure tone, flexibility and strength of voice, clear enunciation, and for relief from high, strained tones, harshness, throatiness, and speakers' sorethroat.

Senior Class.

1. A PRACTICAL TRAINING FOR SPEAKING IN PUBLIC.—Delivery of original speeches, selections, and extemporaneous speeches. Methods of preparing various forms of public address will be studied.

2. VOCAL INTERPRETATION OF LITERATURE.—A study of vocal culture in its relations to literary and general culture. Interpretative reading of the various forms of literature. The spoken word as a means of studying literary art.

HISTORY.

PROFESSOR OF MODERN HISTORY—J. L. Morison, M.A.

PROFESSOR OF COLONIAL HISTORY—W. L. Grant, M.A.

LECTURER—A. E. Prince, M.A.

GENERAL NOTICE TO STUDENTS IN HISTORY.

The two Pass classes may be taken together or in different years. Students taking them separately are recommended to take first the class in English History.

PASS CLASSES.

English History.

The subject matter is divided into three sections for convenience of handling. As general text-book for the whole, students have J. R. Green's *A Short History of the English People*, but this requires to be supplemented by other books.

1. FROM THE BEGINNING TO 1066.

For this period the student should read either Hodgkin's *Political History of England to 1066*, or Oman's *England before the Norman Conquest*. The latter is the better book.

Students interested in the development of English nationality are referred to J. R. Green's *The Making of England* and *The Conquest of England*; those interested in Irish nationality, to Mrs. Green's *Irish Nationality* (Home University Library).

2. FROM 1066-1272.

For this period the text-book is Davis's *England under the Normans and Angevins*, which is a recent work, for most purposes entirely adequate. Students who can find time are strongly advised to read in addition Stubbs's *Early Plantagenets*, a small but excellent book.

3. FROM 1272-1485.

For this period the general text-book requires to be supplemented by two small books, Warburton's *Age of Edward III*, and Gairdner's *Houses of Lancaster and York*. There are two large books on the period, Tout's Third Volume of *Longmans' Political History of England*, and Oman's Fourth Volume of the same series, to which students interested in any particular point may resort for fuller information.

Students who can do so are strongly recommended to read some book which treats continuously the development of English Economic History. Townsend Warner's *Landmarks in English Industrial History* is the most convenient.

Those interested in Church History may with advantage refer to Wakeman's *History of the Church of England*.

It is desirable that all students should read some book which will help them to realize the position of England in relation to other countries of Western Europe. Bémont and Monod's *Mediaeval Europe* is good; but a smaller book, Davis's *Mediaeval Europe* (Home University Library) may be substituted for it if desired.

The *Atlas of European History* in Everyman's Library should be in the possession of every student.

Those who can find time are recommended to pay particular attention to Constitutional History. Stubb's *Constitutional History* is very large, and should be employed sparingly as a work of reference. Medley's *Students' Constitutional History* is in many ways more convenient. On the whole Maitland's *Constitutional History* is the best book.

4. ESSAYS. For extra-mural students, four essays are compulsory; for intra-murals three. A list of the subjects for the essays will be supplied to each extra-mural student on registration.

Modern History.

This class may be taken under Professor Morison, with special emphasis on European History, or under Professor Grant, with special emphasis on Colonial development. For all University Honours and Degrees the two classes are of equal value.

I.—European History.

Three periods of European History are studied in rotation in this class:—The Renaissance and Reformation; The Ascendancy of France from Henry IV to Napoleon; Modern Europe, 1789-1900. The third of these will be studied in 1915-16.

1. MODERN EUROPE, 1789-1900.

The period will be dealt with in two sections, for each of which a text-book is prescribed. For the section dealing with the years 1789-1815, the text-book is J. Holland Rose's *The Revolutionary and Napoleonic Era, 1789-1815*; for the later section, the text-book is Alison Phillips's *Modern Europe* (Rivingtons). The lectures will be grouped under the following heads:—The French Revolution; the Reaction; the Revolutions of the Nineteenth Century; the Union of Italy, 1815-1861; the Development of Modern Germany; the Eastern Question; British Foreign Policy in the Nineteenth Century. Once a fortnight, discussion of the more recent problems of European History will be carried on in groups. While no text-book is prescribed, the topics selected for discussion will in large part be those suggested by chapters in J. Holland Rose's *Development of Modern European Nations*.

2. ESSAYS. Extra-mural students are required to do four essays, intra-murals three. Extra-mural students will note that the books recommended for the essays may be obtained at very small cost in such libraries as Everyman's, or Nelson's, or the Home University Library.

Nov. 2—*Danton—A Statesman of the French Revolution.*

Book:—Belloc, *Life of Danton* (Nelson's Shilling Library).

Dec. 3—*Mazzini's Place in Italian History.*

Book:—Bolton King, *Life of Mazzini* (Everyman's Library).

Jan. 14—*The Views of a Victorian Radical on Diplomacy and War—being a study of the opinions of John Bright.*

Books:—*Selected Speeches* (Everyman's Library).

Barry O'Brien, *Life of Parnell.*

Feb. 11—*Imperial German Policy interpreted by reference to the history of Prussia under Bismarck.*

Books:—Alison Phillips, *Modern Europe*, Chap. 6.

Bülow, *Imperial Germany.*

Bernhardi, *Germany and the next War.*

II.—Colonial History.

1. STUDENTS WILL BE EXAMINED ON:

E. G. Bourne, *Spain in America.*

J. R. Seeley, *The Expansion of England.*

Lord Durham, *Report on Canada.* (Most easily accessible in Methuen's reprint of 1902.)

2. LECTURES will be given on the General Course of Colonial Development up to 1783. These will treat of the European situation in the fifteenth century; the voyages of discovery; the growth of theories of colonization; Spain, France, and England in America, and the reaction of the new world upon the old; the Old Colonial system and its breakdown after the Seven Years' War; the American Revolution; the struggle for India till the recall of Warren Hastings. The History of Canada will then be taken up in outline from 1763 to 1867.

3. ESSAYS. For extra-mural students four essays are compulsory, for intra-murals three. A list of subjects and of authorities, with the dates on or before which they must be handed in, will be furnished to students on application.

HONOUR CLASSES.

Preliminary Honours.

This is a joint class, conducted by both Professors. Professor Morison will lecture on the subjects named in Part I, during the second and fourth quarters of the session; and Professor Grant on the subjects named in Part II, during the first and third quarters.

1. A HISTORY OF THE ENGLISH PARTIES.

Under this heading, lectures will be given on:—The Rise of Party in the Seventeenth Century; the Whig Predominance, 1714-1760; the Renaissance and Triumph of the Tory Party, 1760-1820; and British Party Politics in the Nineteenth Century. There is no good text-book on the subject, but students will make themselves acquainted with the following political biographies:—

Lord Morley, *Walpole* (Twelve English Statesmen).

Lord Morley, *Burke* (English Men of Letters).

Lord Rosebery, *Pitt* (Twelve English Statesmen).

J. R. Thursfield, *Peel* (Twelve English Statesmen).

Lord Morley, *Life of Gladstone* (from Lord Morley's volumes selected passages amounting to one-third of the whole will be prescribed).

2. BRITISH COLONIES AND COLONIAL POLICY, 1783-1900.

The lectures and the essays will be in the main based upon the following books, of which students will be expected to show a detailed knowledge:—

H. E. Egerton, *Short History of British Colonial Policy*, pp. 234-478.

C. P. Lucas, *South Africa* (Historical Geography of the British Colonies, Vol. IV, Part I).

Lord Durham, *Report on Canada*.

H. E. Egerton, *Federations and Unions within the British Empire*.

3. AN EXAMINATION will be set at Christmas for all members of the class on one or other of the following books:

Voltaire, *Le siècle de Louis Quatorze*, Chaps. 1, 2, 25-39.

Stubbs, *Select Charters*: Selected constitutional documents dealing with the reigns from William I to John, inclusive.

For those who wish assistance in reading a foreign language, tutorial classes will be conducted once a week till Christmas in these books, but attendance at these classes is optional, and students are recommended to read as much as possible of these texts during the summer.

Final Honours.

This class is conducted jointly by both Professors. Professor Morison will lecture twice a week on *The Development of Germany from Frederick the Great to the fall of Prince Bismarck*. Professor Grant will lecture twice

a week on *Canadian History from 1534 to 1791*. In addition a fortnightly seminar will be conducted jointly on *Problems of Modern European Diplomacy*.

1. THE DEVELOPMENT OF GERMANY FROM FREDERICK THE GREAT TO THE FALL OF BISMARCK.

Introductory lectures will be given on the place of Germany in the Holy Roman Empire, the text-book being Bryce, *The Holy Roman Empire*. Every student of the class is expected to have read this volume before the session begins.

Text-books for the main course:—

Carlyle, *History of Frederick II of Prussia, called Frederick the Great*: Book XVII to the end.

Seeley, *Life of Stein*.

Headlam, *Bismarck* (Heroes of the Nations Series).

Henderson, *A Short History of Germany*, Vol. I.

Books of reference:

The Cambridge Modern History, Vols. X, XI, and XII.

Fyfe, *Modern Europe*.

Von Sybel, *The Founding of the German Empire* (translated).

Bismarck, *Reflections and Reminiscences*.

Von Moltke, *History of the Franco-German War* (translated).

Dawson, *The Evolution of Modern Germany*.

Bülow, *Imperial Germany*.

For those who can read German with ease, Treitschke, *Deutsche Geschichte in 19-ten Jahrhundert*, is valuable.

2. CANADIAN HISTORY, 1534-1791.

Two papers will be set; one on the French Regime: the other on Canadian Constitutional Development, 1759-1791.

The following books are especially recommended:—

Parkman: *Pioneers of France in the New World*.

The Jesuits in North America.

The Old Regime in Canada

Frontenac and New France under Louis XIV.

La Salle and the Discovery of the Great West.

Montcalm and Wolfe.

Shortt and Doughty, *Canadian Constitutional Documents, 1759-1791*.

Students are strongly recommended to read the volumes of Parkman before entering the class in October, as in the lectures a knowledge of them will be assumed. Students unable to secure them should consult Professor Grant, who will recommend alternative reading.

MENTAL AND MORAL PHILOSOPHY.

PROFESSOR OF MORAL PHILOSOPHY—John Watson, M.A., LL.D.

JUNIOR PROFESSOR OF PHILOSOPHY—Alex. S. Ferguson, M.A., (St. Andrews, Oxon.).

ASSISTANT PROFESSOR OF PHILOSOPHY AND LECTURER IN PSYCHOLOGY AND LOGIC—Norman J. Symons, B.A. (Oxon.).

FELLOW IN PHILOSOPHY—A. D. Matheson, M.A.

FELLOW IN PHILOSOPHY—John McKinnon, M.A.

GENERAL NOTICE TO STUDENTS IN PHILOSOPHY.

The two Pass classes in Philosophy may be taken in the same year, but students are strongly advised to complete the work in Junior Philosophy before beginning Senior Philosophy.

PASS CLASSES.

Junior Class.

1. HISTORY OF MODERN PHILOSOPHY. Watson, *Gifford Lectures*, Vol. I (Maclehose).

Professor Watson.

2. LECTURES ON PSYCHOLOGY AND LOGIC.

Professor Symons.

Sec. A, Monday, Wednesday and Friday at 9; Sec. B, Tuesday and Thursday at 9, Friday at 2.

Professor Symons.

Senior Class.

1. WATSON. *Outline of Philosophy* (Maclehose).

Tuesday at 9. Professor Watson.

2. GREEN. *Prolegomena to Ethics*. Books III and IV.

Wednesday at 8, and Thursday at 9. Professor Ferguson.

HONOUR CLASSES.

Students may qualify for the degree of M.A. by taking Final Honour Philosophy, or Intermediate Honour Philosophy together with Honours in Latin, Greek, German, French, English, History, or Political and Economic Science.

Preliminary Honours.

CRITICAL STUDY OF MODERN PHILOSOPHY.

- (a) Lectures on Kant's predecessors. Rand's *Modern Classical Philosophers*.

Wednesday and Friday at 9. Professor Symons.

- (b) Interpretation of the Philosophy of Kant. Watson, *Selections from Kant* and *Philosophy of Kant Explained*.

Monday at 2, Thursday at 3. Professor Watson.
(These hours may be altered.)

Intermediate Honours.

1. The work of Preliminary Honours.

2. One of the following courses:

- (a) POLITICAL PHILOSOPHY. Aristotle, *Politics* (tr. Jowett or Well-don).

Tuesday at 3. Professor Watson.

MODERN LOGIC. Bradley, *Logic*, and other writers will be discussed.

Tuesday and Thursday at 12. Professor Ferguson.

- (b) HEGEL. Study of part of the *Wissenschaft der Logik*. Different sections are read in successive years.

Monday and Wednesday at 11. Professor Watson.

- (c) COMTE. *La Philosophie Positive* or *Politique Positive*.

Professor Campbell.

- (d) PLATO. *The Republic*.

Professor Symons.

- (e) ARISTOTLE. *The Ethics*.

Professor Ferguson.

NOTE.—The books mentioned are arranged to cover in one or more years the work prescribed for the degree of Doctor of Philosophy. Some knowledge of the original language is expected from students who take any of courses (b) to (e).

3. One of the following:

- (a) PLATO. Certain dialogues will be read with the class.

Monday at 10, Thursday at 9. Professor Symons.

(b) *Psychology*. STOUT, *Analytical Psychology*.

Tuesday at 9, Friday at 12. Professor Ferguson.

Essays will be set on the books prescribed in Course 3.

Final Honours.

1. The work of Preliminary Honours.

2. Critical study of Contemporary Philosophy, as in Intermediate Honours, (2a).

3. One of the following courses (the prescribed books to be read in the original) :

(a) Study of part of Hegel's *Wissenschaft der Logik*.

(b) Comte, *La Philosophie Positive* or *Politique Positive*.

(c) Aristotle, *Politics* or *Ethics*.

(d) Plato, *Republic*.

4. The following courses :

(a) A dialogue of Plato.

(b) *Psychology*. STOUT, *Analytical Psychology*.

5. Seminary for special study of some branch of Philosophy. Croce, *Philosophy of the Practical* (Macmillan).

Professor Ferguson.

NOTE.—Candidates for Final Honours are expected to read such works as the following:

Windelband, *History of Philosophy*.

Höfding, *History of Modern Philosophy*.

Caird, *Critical Account of the Philosophy of Kant*.

Green, *Introduction to Hume* and *Prolegomena to Ethics*.

Bradley, *Logic* and *Appearance and Reality*.

Bosanquet, *Logic*, *History of Aesthetic* and *Philosophical Theory of the State*.

Wallace, *Logic of Hegel*.

Sigwart, *Logic*.

EXTRA-MURAL STUDENTS.

The work of the Extra-mural classes is conducted by means of essays, which are examined by the Tutor under supervision of the Professor and returned with annotations. Unless the essays given in show an adequate grasp of the subject they must be re-written. The text-book is the basis of the work and must be possessed by the student; the books suggested for consultation may be obtained from the Librarian.

Junior Class.

1. Text-book: Watson, *Gifford Lectures*, Vol. I.

2. Essays for Session 1915-16.

Oct. 17—*The Philosophy of Descartes.*

Rand, *Modern Classical Philosophers*, pp. 101-147.

Höfding, *History of Modern Philosophy*, pp. 209-241.

E. Caird, *Essays* ("Cartesianism"), Vol. II, pp. 267-332.

Nov. 14—*The Philosophy of Spinoza.*

Rand, *Modern Classical Philosophers*, pp. 148-198.

Höfding, *History of Modern Philosophy*, Vol. I, pp. 292-331.

E. Caird, *Essays* ("Cartesianism"), pp. 332-383.

J. Caird, *Spinoza* (Blackwood).

Dec. 2—*The Monadology of Leibnitz.*

Rand, *Modern Classical Philosophers*, pp. 199-214.

Latta, *Leibnitz: the Monadology* (Clarendon Press).

Höfding, *History of Modern Philosophy*, Vol. I, pp. 332-368.

Jan. 17—*Locke's Theory of Knowledge.*

Rand, *Modern Classical Philosophers*, pp. 215-262.

Höfding, *History of Modern Philosophy*, Vol. I, pp. 337-391.

Fraser, *Locke* (Blackwood).

Feb. 13—*The Philosophy of Berkeley.*

Rand, *Modern Classical Philosophers*, pp. 263-306.

Fraser, *Selections from Berkeley* (Clarendon Press).

Höfding, *History of Modern Philosophy*, Vol. I, pp. 414-423.

Fraser, *Berkeley* (Blackwood).

Mar. 13—*Hume's Theory of Causality.*

Rand, *Modern Classical Philosophers*, pp. 306-346.

Höfding, *History of Modern Philosophy*, Vol. I, pp. 424-452.

Green, *Introduction to Hume's Treatise on Human Nature*,
Vol. I, pp. 240-276.

Senior Class.

1. STUDY OF ETHICAL PRINCIPLES.

Text-books:

Watson, *Outline of Philosophy* (Maclehose).

Selections from J. S. Mill. Copies of this book may be had
from the Librarian.

Honours.

Only Preliminary Honour Philosophy may be taken extra-murally.

POLITICAL AND ECONOMIC SCIENCE.

PROFESSOR—O. D. Skelton, M.A., Ph.D.

ASSOCIATE PROFESSOR—W. W. Swanson, M.A., Ph.D.

FELLOW—Humfrey Michell, M.A.

GENERAL NOTICE TO STUDENTS IN POLITICAL AND ECONOMIC SCIENCE.

1. Economics and Politics may be taken during the same session. Either class may be taken before the other.

2. A certificate of having passed Preliminary and Final Honour Political Science will be accepted by the Department of Education of Ontario in lieu of Part II of the examinations for Commercial Specialist Interim Certificate.

PASS CLASSES.

Economics.

1. THE PRINCIPLES OF ECONOMIC THEORY. An examination of the principles of Economic Theory, and their application in such concrete problems as money, banking, the tariff, transportation, the distribution of wealth, and the labour question. Taussig, *Principles of Economics* and *Outlines of Economics* (University of Chicago Press).

2. ECONOMIC GEOGRAPHY. Economic Geography will be studied mainly with a view to ascertaining the relative value of the material resources available for Canadian industrial development.

3. CLASS WORK. Essays and exercises will be prescribed, and the instructor will meet the members of the class in small groups for the discussion of the work of the course.

Monday, Wednesday, Friday at 10. Professor Skelton and Professor Swanson.

Politics.

This class affords an introduction to the study of government and of social relations. The course comprises two sections:

1. COMPARATIVE NATIONAL GOVERNMENT. An examination of the form and actual working of the central governments of Great Britain, the United States, and Canada. Leacock, *Elements of Political Science*.

2. HISTORY OF POLITICAL THEORY. A brief outline of the development of systematic political thought. Pollock, *History of the Science of Politics*, and *Selections in Political Theory* (provided in class).

3. **CLASS WORK.** Essays and exercises will be prescribed, and the instructor will meet the members of the class in small groups for the discussion of the work of the course.

Monday at 8, Tuesday, Thursday at 10. Professor Skelton.

HONOUR CLASSES.

The two years' work in Honours will be spent in the study of some of the more significant theoretical and practical problems in Economics, Politics, and Sociology. Special attention will be given the Canadian aspect of each question. So far as possible, term reports, assigned individually, and class discussions will be utilized to encourage independent work. Conferences will be held for the informal discussion of current economic and political topics.

A thesis embodying independent work on some political or economic subject is required of every candidate for Final Honours. As early as possible in their final year, preferably before the summer vacation, students are advised to consult with either of the Professors in the department, as to the choice of a subject.

Courses 1, 2, and 3 below are for Preliminary students only; courses 4, 5 and 6 are for both Preliminary and Final classes; and courses 7, 8, 9, and 10 are for Final students only.

Preliminary Honours.

1. **CANADIAN CONSTITUTIONAL LAW.** Chiefly a study of the British North America Acts, and of the leading cases bearing on the powers of the Dominion and the Provinces. Hassard, *Canadian Constitutional Law*, and assigned readings.

First term. Professor Skelton.

2. **NATIONAL PROBLEMS.** A lecture course, designed to afford a brief introduction to current issues, with suggestions for further study. The topics discussed will include immigration, race and religious difficulties, national unity, imperial and foreign relations, city planning and rural organization.

Second term. Professor Skelton.

3. **MONEY AND BANKING; CORPORATION FINANCE.** An analysis of the nature and functions of money, with special reference to the theory of prices and the cost of living. The leading banking systems of the world will be examined. The work in Corporation Finance will involve a study of the modern security market, and of the promotion and financial administration of corporations. Throughout, Canadian conditions will receive special emphasis.

The first and second of the books named below have been issued in convenient form by the United States Monetary Commission, and may be obtained at a nominal price from the Superintendent of Documents, Washington, D.C.

Johnson, *The Canadian Banking System*.
Breckenridge, *History of the Canadian Banking System*.
Howard and Swanson, *Money and Banking*.
Meade, *Corporation Finance*.

First and second terms. Professor Swanson.

Preliminary and Final Honours.

4. FINANCIAL HISTORY OF CANADA. The course will consist, in the main, of a history and critical examination of the public revenues and expenditures, as well as the administration of the finances of Canada since 1759. In the later period some attention will be given to private, as well as public, capital investments and expenditures in Canada.

Field, *Capital Investments in Canada*, and assigned readings.

First term. Professor Swanson.

5. THE PARTY SYSTEM IN CANADA. A study of the organization and working of the political party, as the motive force in government. Assigned readings.

First term. Professor Skelton.

6. SOCIALISM AND LABOUR PROBLEMS. An examination of modern socialism and of the tendencies of the organized labour movement.

Skelton, *Socialism*, and assigned readings.

Second term. Professor Skelton

Final Honours.

7. COMMERCIAL LAW. This subject will be studied chiefly from the standpoints of the student of economics and of the business man. Assigned readings.

First term. Professor Skelton.

8. RUSSIA: ITS POLITICAL AND ECONOMIC PROBLEMS. A study of the people, resources, and government of the Russian Empire, and its position as a world power.

Mackenzie Wallace, *Russia* (revised edition).

Second term. Professor Swanson.

9. ECONOMIC THEORY. A study of the development of economic thought, in its relation to the general thinking and the political and industrial conditions of the day, from John Stuart Mill to the present.

Haney, *History of Economic Thought*.

Mill, *Principles of Political Economy*.

First and second terms. Professor Swanson.

10. ENGLISH POLITICAL THEORY IN THE NINETEENTH CENTURY. A review of the main currents in political speculation. Students are advised to obtain the following texts, which are available in very cheap editions:

Mill, *On Liberty; Representative Government*.

Spencer, *Man versus the State*.

Maine, *Ancient Law*.

Hobhouse, *Liberalism; Democracy and Reaction*.

Cecil, *Conservatism*.

Further readings will be assigned.

First and second terms. Professor Skelton.

EXTRA-MURAL STUDENTS.

In each of the Pass classes a series of exercises will be provided, containing notes on the texts and questions to be answered as concisely as possible. Scope for more extended discussion will be found in the essays prescribed. In the preliminary instructions sent to all students on registration, detailed lists of books helpful in the preparation of the essays are given.

Economics.

1. Candidates will be examined on the following books:

Ely, *Outlines of Economics*.

Cheney, *Industrial and Social History of England*.

2. Essays must be written during the session 1915-1916 on two of the following topics:

Economic Features of the Student's Neighborhood.

The Value of a Protective Tariff to Canada.

Unemployment: its Causes and Remedies.

Politics.

1. Candidates will be examined on the following books:

Leacock, *Elements of Political Science*.

Pollock, *History of the Science of Politics*.

2. Essays must be written during the session 1915-1916 as follows:

(a) On Leacock: either, *Foreign-Speaking Immigrants and the Franchise*, or, *Woman Suffrage*.

(b) On Pollock: either, *Machiavellianism in National and International Politics*, or, *The Theory of the Divine Right of Kings*.

Honours.

The course prescribed will be the same as in the case of intra-mural students. Critical notes will be provided. In the Preliminary class essays will be assigned individually. Final Honour candidates will be required to present a thesis embodying independent work in some special field.

MATHEMATICS.

PROFESSOR—J. Matheson, M.A.

ASSISTANT PROFESSOR—D. Buchanan, M.A., Ph.D.

ASSISTANT PROFESSOR—C. F. Gummer, M.A.

ASSISTANT PROFESSOR—D. S. Ellis, M.A., B.Sc., (on leave of absence).

LECTURER—D. W. Munn, M.A., M.Sc., S.M.

LECTURER—C. S. Allin, B.A.

TUTORS—W. H. Adamson, M.A.; A. R. Bush, B.A.

GENERAL NOTICE TO STUDENTS IN MATHEMATICS.

1. Candidates who have been granted Junior Mathematics on Matriculation are not required, in their subsequent Honour Course, to take either the Junior or the Senior class, but they are advised to read the Geometry of the Junior class.

2. Candidates who have not been granted the Junior class on Matriculation must take it as preparatory to their Honour work, but they need not take the Senior class inasmuch as the work of this class is covered in the work of Preliminary Honours.

PASS CLASSES.

Junior Class.

1. ALGEBRA. Factors; equations; graphs; general quadratic; surds; proportion; variation; progressions; combinations; binomial theorem.

Hall and Knight, *Elementary Algebra for Schools*.

Sec. A at 2 and Sec. B. at 3, two days a week. Professor Gummer.

2. GEOMETRY.

(a) *Synthetic*.—Fundamental ideas, continuity, relation between Geometry and Algebra, some important theorems and methods.

Dupuis, *Elementary Synthetic Geometry*.

(b) *Analytical*.—Introduction to Analytical Geometry, including graphing and the relation between curves and equations, equations of simple curves and simple properties of the straight line and circle.

Sec. A at 2 and Sec. B at 3, one day a week. Professor Matheson.

3. TRIGONOMETRY. Decimal approximation and contracted methods; angular measurement, trigonometric functions and their relations; graphs; cosine and sine formulae; solution of triangles; orthogonal projections; addition theorems, multiple and sub-multiple angles, use of logarithms. Dupuis, *Plane Trigonometry*; Wentworth and Hill, *Logarithmic and Trigonometric Tables*.

Sec. A at 2 and Sec. B at 3, two days a week. Professor Buchanan.

4. EXERCISES. Besides numerous class exercises, periodical written exercises will be required.

Senior Class.

1. ALGEBRA AND SYNTHETIC SOLID GEOMETRY.

(a) *Algebra*. Annuities; undetermined coefficients with applications to partial fractions, expansions, etc.; continued fractions; logarithms; exponentials; summation of series.

Dupuis, *The Principles of Elementary Algebra*.

(b) *Solid Geometry*. Dupuis, *Elements of Synthetic Solid Geometry*, the first 131 pages.

Wednesday at 11. Mr. Allin.

2. COORDINATE GEOMETRY AND CALCULUS. Outline of work as in course 4 of Preliminary Honours.

Monday and Thursday at 8. Professor Buchanan.

3. EXERCISES. Besides numerous class exercises, periodical written exercises will be required.

HONOUR CLASSES.

Before proceeding further with the Honour course, candidates for Preliminary Honours must make at least 40 per cent. on each subject, and an average of 60 per cent. on the whole group at one examination. But candidates who fail to obtain Honour standing on the Preliminary Honour group will be given credit for the Senior class if, in the final examination, they obtain at least 33 per cent. on each subject, and an average of 40 per cent. on (i) courses 1 (b), 2, 4; or (ii) courses 1, 2, 3, 4.

For Intermediate Honours, candidates must make at least 40 per cent. on each subject of the Intermediate group, and an average of 60 per cent. on the whole group, at one examination.

Candidates must take Preliminary Honours before taking Intermediate Honours, and Intermediate Honours before taking Groups A and B for Final Honours.

Of groups A and B only one can be taken in the third year of the Honour course, and the remaining one, or both, may be taken in the fourth year. Final Honours will be determined by the average of the marks made on groups A and B, if the examinations are taken in the same year. If the examinations are taken in different years, 75 per cent. will be required on each group.

Candidates will not be allowed to write on Preliminary and Intermediate examinations in the same year. But a student may attend any course of lectures for which, in the opinion of the department, he is qualified.

Preliminary Honours.

1. SYNTHETIC MODERN GEOMETRY I.

(a) *Plane*.—Modern ideas in geometry; geometry continuity; relation of geometry to algebra; geometric extensions; ranges and pencils of four; collinearity and concurrence; triangles in perspective; inversions and inverse figures; pole and polar; radical axis. Dupuis, *Elementary Synthetic Geometry*, to page 237, omitting Section II of Part IV. Reference to Durell, *Plane Geometry*.

(b) *Solid*.—Lines and planes in space; the three-faced corner; Euler's formula for polyhedra; areal relations; spheres; radical planes; prismoidal formula. Dupuis, *Elements of Synthetic Solid Geometry*, the first 131 pages.

One hour and a half a week. Professor Matheson.

2. ALGEBRA. The progressions; permutations and combinations; binomial theorem; remainder theorem; inequalities; undetermined coefficients; partial fractions, expansion of functions, etc.; continued fractions; logarithms; exponential and logarithmic series; recurring series; interpolation; summation of series; convergency of series; elementary determinants and their application to the solution of linear equations. Dupuis, *The Principles of Elementary Algebra*; Hall and Knight, *Higher Algebra*.

One hour and a half a week. Professor Gummer.

3. TRIGONOMETRY.

(a) *Plane*.—Graphs, orthogonal projections, addition formulae, logarithms, solution of triangles, inverse functions, trigonometric equations, limits and approximations, series for sine and cosine, Demoivre's theorem.

(b) *Spherical*.—The important formulae of spherical trigonometry, solution of spherical triangles with various applications, relation between plane and spherical trigonometry.

Hobson and Jessop, *Plane Trigonometry*.

Dupuis and Matheson, *Spherical Trigonometry and Astronomy*.

One hour a week. Mr. Allin.

4. COORDINATE GEOMETRY AND CALCULUS I.

- (a) *Coordinate Geometry*.—Systems of coordinates, graphs, detailed study of the straight line and circle, the equations and simple properties of the parabola, ellipse and hyperbola.

Smith, *Conic Sections* (Macmillan).

- (b) *Calculus*.—Limits, differentiation, applications of the derivative to geometry and mechanics, maxima and minima, differentials, rates. Integration of standard elementary forms and rational fractions, the definite integral with various applications, integration by parts.

Granville, *Differential and Integral Calculus* (Ginn).

Monday and Thursday at 8. Professor Buchanan.

Intermediate Honours.

5. SYNTHETIC MODERN GEOMETRY II.

- (a) *Plane*.—Mean centres; centres and axes of similitude; harmonic and anharmonic ratios, with various applications; theorems of Pascal and Brianchon; polar reciprocation; homography and involution. Dupuis, *Elementary Synthetic Geometry*. Reference to Durell, *Plane Geometry*.

- (b) *Solid*.—Figures of translation and revolution; mean centres; Guldinus' theorems; perspective projections; anharmonic relations; the properties of the conic sections deduced from the cone; projective properties of conics; spheric geometry.

Dupuis, *Elements of Synthetic Solid Geometry*.

One hour and a half a week. Professor Matheson.

6. COORDINATE GEOMETRY AND CALCULUS II.

- (a) *Coordinate Geometry*.—A detailed study of the parabola, ellipse and hyperbola; the general equation of the conic, tracing of conic sections; polar equation of the conic; pole and polar relations of the general conic; conjugate diameters, foci, and axes of the general conic; intersections of two conics; circle of curvature and evolute.

Smith, *Conic Sections* (Macmillan).

- (b) *Calculus*.—Leibnitz's formula; maxima and minima, points of inflection, curve tracing, curvature; Rolle's, Taylor's and Mac-laurin's theorems; indeterminate forms; partial differentiation; singular points. Indefinite integrals, definite integrals with various applications to areas, lengths, surfaces, volumes, centres of gravity, moments of inertia, etc. A few types of the differential equations occurring in mechanics and physics.

Granville, *Differential and Integral Calculus* (Ginn).

One hour and a half a week. Professor Buchanan.

7. THEORETICAL AND PRACTICAL ASTRONOMY. Systems of coordinates and their interrelations; motions of the earth, planetary motion, gravitation, paral-lax, aberration, precession, and nutation; time, equation of time, conversion of time; motions of the moon, phases, libration, eclipses; the study of the sun and various planets; radial velocities and proper motions.

A spherical earth; mean radius; distance along a great circle, parallel of latitude and loxodrome; surveying great circles and parallels of latitude; a spheroidal earth; geocentric and apparent latitude; true radius vector; pro-jections of the sphere; meridional parts.

The practical work consists of: setting the telescope; observations of moon, planets, nebulae, etc.; micrometric measurements; determination of longitude and time; reduction of observations by methods of least squares.

Text-books:

Dupuis and Matheson, *Spherical Trigonometry and Astronomy*.

Moulton, *An Introduction to Descriptive Astronomy* (Macmillan).

Reference books:

Dupuis, *Elements of Astronomy*.

Barlow and Bryan, *Mathematical Astronomy*.

Campbell, *Elements of Practical Astronomy*.

Lecture.—*One hour a week.*

Observatory work.—*Chiefly during first term. To be arranged for on clear evenings.*

Professor Buchanan.

8. DETERMINANTS AND THEORY OF EQUATIONS.—Determinants and their transformations; minor determinants; application to linear equations; multi-plication of determinants; reciprocal determinants; symmetric and skew-symmetric determinants; alternants, circulants, etc.

General algebraic equation; symmetric functions of the roots; Descartes' rule; imaginary roots; theorems of Fourier and Sturm; approximate solu-tion; the cubic and quartic; reciprocal equations; binomial equations; New-ton's theorem; elimination.

Weld, *Elements of Determinants*.

Cajori, *An Introduction to the Modern Theory of Equations*.

One hour a week. Professor Gummer.

9. ALGEBRA II.—Convergency of series; infinite products; limits of infinite series; summation; continued fractions, convergents and intermediate convergents; general continued fractions; indeterminate linear equations; theory of numbers; theorems of Fermat, Lagrange, and Wilson; probability; expectations, local probability, etc.

Hall and Knight, *Higher Algebra*.

Chrystal, *Textbook of Algebra* (Part II).

One hour a week. Professor Gummer.

Final Honours.

Group A.

10. ANALYTIC SOLID GEOMETRY.—Notation, direction, etc.; rectangular and oblique co-ordinates; the line and the plane in space; quadric surfaces; generating lines and ruled surfaces; surfaces of revolution; confocal conicoids; general equation and its transformations; invariants; circular sections and umbilici; axes and areas of sections of quadrics; curvature of surfaces; indicatrix; an introduction to the study of tangent planes, normal planes, curvature, etc., of general surfaces and curves in space.

Smith, *Solid Geometry*. Reference to Aldis and Salmon.

One hour and a half a week. Professor Gummer.

11. ADVANCED CALCULUS.—Limits, continuity and uniform continuity; theorems on continuous functions; the derivative and differential; differentiation of functions of functions; expansions of functions; remainder forms; functions of many variables; partial and total derivatives and differentials; Taylor's and Maclaurin's expansions; Euler's theorems on homogeneous functions.

Theory of plane curves; tangents, normals, etc.; intersection of curves; pedals; inverse curves; polar reciprocals; asymptotes; singular points, principle of linear combination, contact; curve tracing; envelopes; singular forms; maxima and minima in curves and surfaces; Lagrange's criterion.

Definite and indefinite integrals; differentiation and integration of definite integrals; improper definite integrals; beta and gamma functions; uniform convergence and integration and differentiation of series; integration of rational, irrational and transcendental functions, binomial differentials and reduction formulae; elliptic and hyperelliptic integrals; line, double and triple integrals with various applications; Fourier series.

Reference books:

Edwards, *Differential Calculus*.
Williamson, *Integral Calculus*.
Goursat-Hedrick, *Mathematical Analysis*.
Byerly, *Integral Calculus*.

Two hours a week. Professor Matheson.

12. DIFFERENTIAL EQUATIONS.—Nature and origin of differential equations, and methods of solution; geometrical interpretations and the determination of special loci; applications to geometry and physics; the linear equation; exact differential equations; solution in series; introduction to simultaneous and partial differential equations.

Johnson, *Treatise on Ordinary and Partial Differential Equations*.

One hour and a half a week. Professor Buchanan.

13. HIGHER TRIGONOMETRY.—Complex numbers; Argand's diagram; De Moivre's theorem; n th roots of $a+ib$; expansion of $\cos^n x$, $\sin^n x$, $\cos nx$, $\sin nx$; trigonometric limits; expansion of sine and cosine in infinite series; complex limits and series; exponential functions; logarithms; hyperbolic functions; Euler's formulae; inverse functions; Bernoulli's numbers; various trigonometric series, factor theorems; expression of sine, etc., as infinite products.

Loney, *Plane Trigonometry*, Part II.

Hobson, *Plane Trigonometry*.

One hour a week. Professor Matheson.

Group B.

For Final Honours Group B will consist of courses 14, 15, and *either* 16 and 17, *or* 18 and 19. Courses 14 and 15 will be lectured on each year. Courses 16 and 17 will be lectured on in 1915-16, and courses 18 and 19 in 1916-17.

14. THEORY OF FUNCTIONS OF A COMPLEX VARIABLE.—Geometrical representation of complex numbers; rational and irrational operations; linear transformations; invariant points; anharmonic ratios; the general rational transformation; limits, continuity and uniform continuity of functions of a complex variable; the differential coefficient; monogenic functions; the trigonometric, logarithmic and exponential functions; stereographic projection; Mercator's projection; conformal representation; Riemann surfaces; integration; holomorphic functions; Cauchy's theorems; Cauchy's extension to Maclaurin's and Taylor's theorems; the power series; singular points; meromorphic functions; Laurent's theorem and applications; expansion of multiple-valued functions. A brief discussion of the Theory of Functions from the Weierstrass point of view.

Reference books:

- Harkness and Morley, *Introduction to the Theory of Functions*.
 Durège, *Elements of Theory of Functions*.
 Forsyth, *Theory of Functions*.
 Osgood, *Lehrbuch der Functionen-Theorie*.
 Burkhardt, *Functionen-Theorie* (Erster Band).
 Goursat, *Cours d'Analyse Mathématique* (Tome Second).

One hour and a half a week.

15. ADVANCED ANALYTICAL GEOMETRY.—Discussion of the general idea of coordinates; point and line coordinates; trilinear coordinates and their relation to cartesian; the principle of duality; the use of trilinears and abridged methods in the discussion of important properties common to the conics; harmonic and anharmonic properties; the theorems of Pascal and Brianchon; the line at infinity and circular points at infinity; inscribed and circumscribed conics; the method of reciprocal polars, and that of projection; curve tracing in homogeneous coordinates.

Salmon, *Conic Sections*.

Charlotte A. Scott, *Modern Analytical Geometry*.

One hour and a half a week.

16. DIFFERENTIAL GEOMETRY.—Parameter equations of curves and surfaces; tangents, normals, tangent planes, etc.; families of surfaces, developable surfaces, etc.; element of arc on a surface; fundamental quadratic forms; parametric curves; invariants; differential parameters; conformal representation; stereographic projection, applicability of surfaces; isometric curves; geodesics; curvature; minimal curves and surfaces.

Eisenhart, *Differential Geometry* (Ginn).

One hour and a half a week.

17. CELESTIAL MECHANICS.—Rectilinear and parabolic motion; central forces; derivation of Newton's law; determination of the orbit from the law of force; potential and attractions of bodies; the problem of two bodies; the general integrals of the problem of n bodies; Lagrangian straight line and equilateral triangular solutions of the three body problem; geometrical and analytical considerations of perturbations.

Moulton, *An Introduction to Celestial Mechanics* (Macmillan; revised edition).

One hour and a half a week.

18. FINITE DIFFERENCES AND HIGHER ALGEBRA.—Differences of a function; theory of linear operations, relations of E , Δ , $\frac{d}{dx}$; Herschel's theorem; calculation of $\Delta^m O^n$; factorial expansion; interpolation; Lagrange's formula; approximate integration; finite integration; summation of series; transformation of series; approximate summation; Stirling's formula.

Matrices; linear dependence; linear equations; linear transformations; bilinear forms; quadratic forms; properties of polynomials; elimination; elementary theory of invariants.

Boole, *Finite Differences*.

Bôcher, *Introduction to Higher Algebra* (Macmillan).

One hour and a half a week.

19. QUATERNIONS.—Addition, subtraction, multiplication, and division of vectors; the quaternion; quaternion analysis; application to the conic sections, the conicoids, and loci in general; vector equations of tangents, normals, evolutes, tangent planes, tangent cones, differentiation of vectors and quaternions; applications to mechanics, and to the theory of surfaces; a discussion of the main features of modern vector analysis.

Kelland and Tait, *Quaternions*.

Reference to Hardy, *Elements of Quaternions*; Tait, *Quaternions*;

Wilson, *Vector Analysis*.

One hour and a half a week.

EXTRA-MURAL STUDENTS.

The work for extra-mural students is the same as that for intra-murals. A series of exercises, arranged to cover the ground in the work of each class, is sent to the student and the solutions are to be returned by him on or before specified dates. The exercises will be corrected at the University, and returned with suggestions to the student for guidance in his work. Detailed instructions will be given with the exercises at the beginning of each session.

PHYSICS.

PROFESSOR—A. L. Clark, Ph.D.

ASSOCIATE PROFESSOR—W. C. Baker, M.A.

ASSISTANT PROFESSOR—J. M. Adams, Ph.D.

LECTURER—J. K. Robertson, M.A.

LECTURER—V. E. Pound, Ph.D.

DEMONSTRATORS—W. H. Adamson, M.A.; B. F. Howson.

PASS CLASSES.

Junior Class.

The work of the Junior class is elementary, forming the introduction to the subject. Its purpose is to lay a thorough foundation for subsequent work in theoretical, experimental, and technical Physics as well as to give a fairly complete elementary knowledge of the subject to those who do not intend to pursue the subject further. Only an elementary knowledge of Mathematics is required.

The class is required in Pass Course III; in Combined Course I; in the Inspector's General Proficiency Course; in Specialists' Courses VII, VIII, and IX; and in the Honour Courses B and C. It is optional in Pass Courses I and II and in Specialists' Courses I, II, III, IV, and V.

1. LECTURES AND RECITATIONS. In two lectures per week, throughout the year, the elementary principles of mechanics, sound, heat, magnetism, electricity, and light are developed, and numerous applications of them are made to everyday phenomena. A third hour each week, for which the class meets in sections, is devoted to informal discussion and to the solution of illustrative problems.

Text-book: Kimball, *College Physics*.

Tuesday and Thursday at 12, and Tuesday or Thursday at 3.

Professor Adams.

2. LABORATORY. Each student is required to spend two hours a week in the laboratory, performing quantitative experiments in which the principles developed in the lectures are applied.

Sec. A, Monday 10-12; Sec. B, Wednesday 3-5; Sec. C, Friday 3-5.

Senior Class.

The work of this class begins with a brief review of the fundamental principles dealt with in the Junior class and gives these fuller development. In it more attention is given to the theoretical side of the subject, topics are

treated more in detail, and many problems are discussed which on account of their advanced nature are omitted from the work of the Junior class. Together with the Junior class it gives an extended knowledge of physical phenomena and affords a very satisfactory equipment for all except Specialists in Science or Mathematics.

This class is required in Specialists' Courses VI, VII, VIII; in the Inspector's General Proficiency Course; in Honour Courses B and C; and is optional in Pass Courses I, II, and III.

Students who enter this class with Honour Matriculation standing and who have not taken the Junior class, are required to spend an additional two hours a week in the laboratory, and to pass the examination of the Junior class.

The work is divided for convenience into four parts, viz.: (1) Mechanics, (2) Light, (3) Electricity and Magnetism, and (4) Experimental work in the laboratory.

1. MECHANICS.—The work in this section is an extension of that done in the Junior class, treating less simple parts of the subject and dealing with Dynamics of Rotation.

Monday at 9. Professor W. C. Baker.

2. LIGHT.—The work in this course consists of a detailed discussion of vibratory and wave-motion; a treatment of Reflection, Refraction and Dispersion from the standpoint of the wave theory; and a study of Dispersion, Interference, Diffraction, Spectroscopy, Polarization and Double Refraction.

Tuesday and Thursday at 9. First term. Mr. Robertson.

3. ELECTRICITY AND MAGNETISM.—In this course selected parts of the subject are treated in greater detail than in the Junior class. Throughout the course special emphasis is laid on the importance of *accurate definitions* and on the *absolute* measurement of quantities. Lectures are given on such topics as Conduction of Electricity through Gases and Radio-activity.

Tuesday and Thursday at 9. Second term. Dr. Pound.

The text-books to be used in all the above sections will be arranged at the opening of the session.

4. LABORATORY.—Each student is required to spend two hours a week in the laboratory. The experiments are arranged so as to form a continuation of those of the Junior class and to supplement the work of the lectures wherever possible. Opportunity for additional laboratory work is given to those who desire it.

Friday, 3-5.

HONOUR CLASSES.

The attention of students whose mathematical training is not sufficient to enable them to take the regular Honour classes is called to the announcements under EXPERIMENTAL HONOUR PHYSICS.

All Honour classes in Physics must be taken at the University.

Attention is called to the regulation (page 65) regarding the standing necessary before Honour work may be undertaken.

Preliminary Honours.

Students should take Senior Physics and Preliminary Honour Mathematics before entering this class.

The work is divided into four sections, in each of which an examination is given.

This class is required in Specialists' Courses VI and VII and in Honour Course B.

Candidates for Honours in Mathematics and Physics must make a minimum of forty per cent. in each subject of the Preliminary Honour class and an average of sixty per cent. upon the whole group. Not more than one subject of the Preliminary Honour class may be carried over into the Final Honour year.

1. MECHANICS.—This is an introductory course in Analytical Mechanics. In it are discussed the elements of vector analysis, general kinematical relations, simple harmonic motion, the dynamics of a particle and of rigid and elastic bodies, and the elementary theory of potential.

Friday at 10. Mr. Robertson.

2. HEAT AND LIGHT.—The work in HEAT consists of a course of lectures on the fundamental laws of Thermodynamics and their application to the Thermodynamical Scale of Temperature, to the treatment of Saturated Vapours and to Reversible Processes in general. In LIGHT the work consists of a brief course of lectures on the Fresnel-Huyghens Theory of Interference.

Tuesday at 10. Professor Clark.

3. ELECTRICITY AND MAGNETISM.—This course includes an introduction to the Mathematical Theory of Electricity and Magnetism, an elementary treatment of the Conduction of Electricity through Gases, and a brief consideration of Radio-activity.

Wednesday at 10. Dr. Pound.

4. LABORATORY.—This is a course of four hours a week on experimental work treating of matters which are fundamental to the lecture courses.

Final Honours.

Students desiring to attend the Final Honour lectures are advised to acquire a reading knowledge of French and German.

The work consists of advanced courses of lectures on different branches of Physics and of a course of experiments in the laboratory. Some of the lecture courses are given each year while others are given in alternate years. This class is required in the second option in Honour Course B. Subjects 1, 3, 4, and 5, are required in Specialists' Course VII; 1 and 2 for the Master's Degree in Specialists' Course VI; 2 and 5 for the Master's Degree in Specialists' Course VII, and 1 and 2 in the first option in Honour Course B.

Candidates for Honours in Physics must make a minimum of 40 per cent. in each subject and an average of 60 per cent. in the Mathematical courses 1, 2, 3, 4, 5, 6, 7, 8, 10, and 12, as specified in Honour Course B. (Physics and Mathematics).

Candidates for Honours in Physics must make a minimum of 60 per cent. in each of the subjects of the Final Honour class, and standing will be determined by the average of the results attained in all of the examinations of the class.

Candidates may write upon all of the examinations of the Final Honour class in the second year of their Final Honour work or they may write as follows:

Subjects 2 and 6 in the first year and subjects 3, 4, and 5, in the second year; or subjects 2, 4, and 5 in the first year and subjects 3 and 6 in the second year.

The courses of lectures are as follows:

1. DYNAMICS OF A PARTICLE AND OF SYSTEMS OF PARTICLES.—The work of this course involves (a) the solution and discussion of differential equations of the motion of a particle; (b) the solution and discussion of a few partial differential equations; and (c) the development and application of such important principles as the Principle of Virtual Work, the Principle of d'Alembert, Hamilton's Principle of Least Action, and Lagrange's Equations.

Reference books:

Webster, *Dynamics of a Particle, and of Systems of Particles.*

Ziwet, *Theoretical Mechanics.*

Barton, *Analytical Mechanics.*

Thursday at 9. Professor Clark.

2. DYNAMICS OF RIGID, ELASTIC, AND FLUID BODIES.—In this course are discussed such topics as the Equations of Motions of a Rigid Body, Ellipsoids

of Inertia, Motion with Fixed Axis, Motion with Fixed Point, Euler's Equations, Motion of the Symmetrical Top, Moving Axes, Foucault's Pendulum and Gyroscope, Stress and Strain Relations in Elastic Bodies, Elastic Constants, and Hydrokinetics.

Thursday at 11. Professor Clark.

3. KINETIC THEORY OF GASES AND THERMODYNAMICS.—This course consists of lectures on the Dynamical Theory of Gases and of selected topics in Thermodynamics. In the first part of the course are discussed the rise, the progress, and the limitations of the Kinetic Theory of Matter. In the second part of the course, which is a continuation of the Preliminary Honour work in HEAT, applications of the two laws of Thermodynamics are made to many problems dealing with Gases, Saturated Vapours, Solutions, and Galvanic Cells.

Reference books:

Clausius, *Die Wärmetheorie*.

Buckingham, *Thermodynamics*.

Boltzmann, *Vorlesungen über Gastheorie*.

Jaeger, *Die Fortschritte der Kinetischen Theorie*.

Thursday at 10. Dr. Pound.

4. PHYSICAL OPTICS.—This course of one lecture weekly throughout the year presupposes a knowledge of the fundamental principles of Optics. While sufficient time is devoted to Geometrical Optics to give the student a clear insight into the method of attacking problems from the view-point of ray propagation, stress is laid mainly on the theory and phenomena of Physical Optics. Special attention is given to the mathematical and physical discussion of the Nature of Light, the Rectilinear Propagation of Light, Reflection, Refraction, Dispersion, Interference, Diffraction, and Polarization. A brief discussion is given of the Electro-magnetic Theory of Light, including a discussion of Maxwell's equations. Some of the newer theories of Electro-optics, and the Principle of Relativity are treated as far as time will permit.

Reference book: Wood, *Physical Optics*.

Wednesday at 9 Professor Adams.

5. ELECTRICITY AND MAGNETISM.—This course comprises lectures on:

(a) The Outlines of Electromagnetic Theory:—Fundamental Theorems and Relations, Waves, Energy-flow, Momentum, Variation of Mass and Linear Dimensions with Velocity, Ether-drift, and Accelerational Pulses.

(b) The Electronic Theory of the Conduction of Electricity through Gases.

(c) Radio-activity.

Also prescribed reading in the current Physical Periodicals.

Reference books:

Abraham-Föppl, *Theorie der Elektrizität*.

Jeans, *Mathematical Theory of Electricity and Magnetism*.

Thomson, *Conduction of Electricity through Gases*.

Rutherford, *Radio-activity; Radio-active Transformations; and Radio-active Substances*.

Monday and Wednesday at 3. Professor W. C. Baker.

Lectures are given upon subjects 3 and 4 and upon subject 5 in alternate years. Subject 5 will be taken up in the session 1915-16.

6. LABORATORY.—Students are required to spend at least fifteen hours a week at experimental work in the laboratory where measurements are made under the direction of the different members of the staff. The aim is to familiarize the student with the conditions, the methods, and the spirit of Physical investigation. In the first year this is done through a selected course of experiments in Heat, Light, Sound, Electricity, and Magnetism. In the second year, if the student shows himself capable, he is given a problem for independent investigation.

EXPERIMENTAL HONOUR PHYSICS.

This course is planned to meet the needs of students who require a more extended knowledge of Physics than that obtained in the Senior class but whose mathematical training is not sufficient to enable them to take the regular Honour course. It is called "Experimental Honour," partly to distinguish it from the regular Honour course, and partly to indicate the general nature of the work. It aims to present certain aspects of the subject, usually treated by the calculus, in a manner suitable for students with but limited mathematical training. The class is divided into Preliminary and Final Honour Experimental Physics, each of which requires one year. The laboratory work of the Junior and Senior classes is prerequisite to the laboratory work of this class.

Preliminary Experimental Honours.

1. MECHANICS, PROPERTIES OF MATTER, AND HEAT.—This class consists of two lectures a week throughout the year, and a laboratory course of eight hours a week. In the lecture course, the fundamental concepts of Physics are emphasised by detailed discussion of such topics as Gravitation, Gyroscopic Phenomena, Elasticity, Surface Tension and Capillarity, Flow of Fluids, Kinetic Theory of Gases, Laws of Thermodynamics and Meteorology, etc.

Reference books:

Worthington, *Dynamics of Rotation*.
Poynting and Thomson, *Properties of Matter*.
Edser, *A Text Book of Physics*.
Searle, *Elasticity*.
Poynting and Thomson, *Heat*.
Edser, *Heat*.
Watson, *General Physics*.
Duff, *General Physics*.

Professor W. C. Baker and Dr. Pound.

2. LABORATORY.—The laboratory course is planned to cover the measurement of standard quantities in Light, Sound, Electricity, and Magnetism, with additional experiments in Mechanics, Elasticity, and Heat.

Final Experimental Honours.

1. ELECTRICITY, MAGNETISM, LIGHT, CONDUCTION THROUGH GASES, AND RADIO-ACTIVITY.—In this course two lectures a week are given, with a laboratory course of at least ten hours a week. The general aim of the lectures is to acquaint the student with the view-point of modern Experimental Physics. Some of the more recent developments of the subject are discussed. The student is required to read articles in the current Physical Journals and in this way is encouraged to familiarize himself with these publications. The course includes a discussion of:

(a) Wave Motion, in which phenomena such as Resonance, Interference, Diffraction, Doppler effect, are discussed.

(b) Selected topics in Physical Optics including Interferometers, Theory of Diffraction, the Echelon Diffraction Grating, characteristics of Spectral Lines, series of Spectral Lines, Zeeman effect, Fluorescence and Phosphorescence, with special reference to vapours, radiation pressure, etc.

(c) Discharge of Condenser and Electro-magnetic Waves.

(d) Conduction of Electricity through Gases, and Radio-activity.

2. LABORATORY.—The laboratory course consists of a series of selected experiments relating to and further illustrating the topics discussed in the lectures.

LIBRARY.

The principal Physical Journals and books relating to the lectures and the laboratory work are kept in the Library of the Physics Department, where they may be freely consulted by the students. Certain of these may be borrowed for limited periods by making application to the librarian in charge.

EXTRA-MURAL STUDENTS.

Extra-mural students are accepted in this department only in the Junior and Senior classes. The work is under the direction of the professors who give the intra-mural lectures, and is made to correspond as far as is possible to that done by the intra-mural students. A syllabus of the work will be sent to the student on registration. This includes notes on the method of work, lists of texts, and a prescription of exercises. Extra-mural students are expected to send these to the University at dates *not later than those prescribed*. The experimental part of the course must be postponed until it can be done intra-murally. The examination on the prescribed work may be taken in any examination period after the required standing on the exercises has been attained but the experimental work must be done satisfactorily before credit for the class can be given.

BOTANY.

PROFESSOR—W. T. MacClement, M.A., D.Sc.

ASSISTANT PROFESSOR—

LECTURER—A. B. Klugh, M.A.

TUTOR—A. M. Wynne, B.A.

PASS CLASS.

1. AN OUTLINE OF THE STRUCTURE, ACTIVITIES, AND LIFE RELATIONS OF PLANTS.

- (a) The dissection and drawing of seeds, roots, stems, buds, leaves, flowers, and fruits of seed plants. Lectures and experiments in plant physiology.

First term.

- (b) A study of the seedless plants by dissections, drawings, and experiments.

- (c) The principles of classification, illustrated by Canadian plants.

Second term.

2. FIELD WORK. Four field days in autumn, to study plant relations.

3. FOREST CONSERVATION, outlined by lectures.

Text-book—Bergen and Caldwell, *Practical Botany*.

Reference books:

Coulter, *Plant Relations*.

Roth, *A First Book of Forestry*.

Fernow, *The Care of Trees*.

Class daily at 10. Professor MacClement.

HONOUR CLASSES.

The work in Honours is designed for students specializing in Biology or Paleontology, or Plant Pathology.

Final Honours are awarded on the Honours papers of both sessions taken together.

Preliminary Honours.

A laboratory study of the development, structure, and life processes of plants, with lectures, discussions, and essays.

1. MORPHOLOGY.—A class study of the modifications of plants from the simplest to the most complex. A microscopic study of materials illustrating the above. Permanent records in the form of drawings.

Lectures—First term, Monday, Wednesday and Friday at 11.
Laboratory—First term, 2-4 daily.

Professor MacClement.

2. ANATOMY.—A class study of the development and structure of the normal organs of the higher plants. Thirty drawings of sections illustrating the above.

Lectures—January—Monday, Wednesday and Friday at 11.
Laboratory—January, 2-4 daily. Professor MacClement.

3. PHYSIOLOGY.—A series of experimental studies of plant activities, both chemical and physical.

Laboratory—2-4 daily in February and March.

4. TAXONOMY.—The classification of Canadian flowering plants, ferns, and fern allies. Each student is required to bring 100 pressed flowering plants or ferns for laboratory use.

Text-books:

Coulter, Barnes and Cowles, *Textbook of Botany*, Vol. I.
Bergen and Davis, *Principles of Botany*.
Stevens, *Plant Anatomy*.
Gray, *New Manual of Botany*.

Reference books:

Campbell, *Evolution of Plants*.
Atkinson, *College Botany*.
Green, *Physiology of Plants*.
Duggar, *Diseases of Plants*.
Masse, *Diseases of Cultivated Plants and Trees*.
Widstoe, *Dry Farming*.
Hilgard, *Soils*.
Cameron, *The Soil Solution*.

Final Honours.

A course in plant histology, plant pathology, ecology, taxonomy, and paleobotany. Field work, microtechnique, discussions, drawings, and essays.

1. HISTOLOGY.—The practical preparation of permanent mounts of the different classes of plant structures both normal and modified, including killing, fixing, embedding, sectioning, staining, and mounting. Microchemical tests for the chief constituents of plants.

First term, Tuesday and Thursday, 2-5. Mr. Klugh.

2. ECOLOGY.—The relations of plants to environmental factors. Map-making of regions covered in field trips, to illustrate the effects of distributional influences. Study of specimens and drawing of sections illustrating modifications. A class study of authorities. (An alternative for 3.)

Lectures—First term, Tuesday and Thursday at 11; Monday at 9.

Laboratory—Monday, Wednesday, and Friday, 2-4.

3. PLANT PATHOLOGY.—The structure and life histories of the fungi which produce diseases in plants. (An alternative for 2.)

Lectures—First term, Tuesday and Thursday at 11. Monday at 9.

Laboratory—Monday, Wednesday and Friday, 2-4.

4. TAXONOMY.—A study of the relationships and classes of the more common mosses, lichens, and fleshy fungi. Each student is required to bring for laboratory use 50 specimens of mosses, lichens, or fungi.

Laboratory—Second term, Tuesday and Thursday 2-4.

Professor MacClement.

5. PALEOBOTANY.—Methods and results of fossilisation, relations and classification of fossil plants, methods of sectioning, and study of plant remains.

Lectures—Second term, Monday at 9, Tuesday and Thursday at 11.

Professor MacClement.

6. THESIS.—A thesis embodying the results of a piece of simple research, the subject of which will be chosen in consultation with the Professor. This work is required only from candidates for the degree of Master of Arts.

Text-books:

Coulter, Barnes and Cowles, *Textbook of Botany*, Vol. II.

Gray, *New Manual of Botany*.

Stopes, *Ancient Plants*.

Klugh, *Botanical Microtechnique*.

Stevens, *Fungi which produce Plant Diseases*.

Reference books:

Atkinson, *College Botany, and Mushrooms, Edible and Poisonous*.

Grout, *Mosses of North America*.

Fink, *Lichens of Minnesota*.

Seward, *Fossil Plants*.

Hard, *Mushrooms, Edible and Otherwise*.

Kellogg, *Darwinism To-day*.

Campbell, *Footnotes to Evolution*.

Punnett, *Mendelism*.

De Vries, *The Mutation Theory*.

Weismann, *The Evolution Theory*.

Sachs, *History of Botany*.

Locy, *Makers of Biology*.

EXTRA-MURAL STUDENTS.

The work is, as far as possible, the same as that done by intra-mural students. Materials for practical study are either furnished by the University or collected by the student. The results of the study of these materials are to be regularly and promptly forwarded to the University in the form of exercises, reports, notes, or drawings. The instructor in charge will examine these reports, and make necessary recommendations. At least 80 per cent. of exercises and drawings, and all the essays, must be in the hands of the instructor by the time the student makes application for examination. A good hand lens and simple dissecting instruments are required for the work of the Pass class, and a good compound microscope for Preliminary Honours.

Experience has shown that the work in Preliminary Honours can be satisfactorily done by extra-mural students who will spend one or two summer sessions at the University in the laboratory work. Otherwise it can be completed only under especially favorable circumstances. Final Honour Botany is not offered extra-murally.

ANIMAL BIOLOGY.

PROFESSOR—A. P. Knight, M.A., M.D., F.R.S.C.

LECTURER—A. B. Klugh, M.A.

LECTURER—G. E. Kidd, B.A., M.D., C.M.

DEMONSTRATOR—Thomas Little.

GENERAL NOTICE TO STUDENTS IN ANIMAL BIOLOGY.

1. Candidates who intend to qualify as Science Specialists must take the Pass class.

2. Students in Arts who intend subsequently to study Medicine are advised to take Pass and Honour classes and thus complete their Physiology and Histology during their undergraduate course. Besides Combined Course I for B.A., M.B., either Honour Course C (Science), with Animal Biology, or Specialists' Course VIII (Science), with honours in Chemistry and Animal Biology, is suitable for this purpose. The course in Sanitary Science for the degree of B.Sc. in Practical Science, is also suitable for medical students.

3. Students who have taken the Pass class in Arts will, if they subsequently study Medicine, have to take Mammalian Anatomy and Histology in order to complete the Biology of the first year in Medicine.

4. Attendance and examination in Preliminary Honours will be accepted as equivalent to attendance and examination in Biology for first year in Medicine.

PASS CLASS.

1. GENERAL ANIMAL BIOLOGY.—Study of the every-day lives of animals, manifestations of life, protoplasm, cells, cell division; reproduction, early stages of development, tissues, organs, differences between animals and plants, general functions of the human body.

Two hours a week throughout the session. Monday and Friday at 9.

Professor Knight.

2. DISSECTION AND OUTLINES OF CLASSIFICATION.

One hour a week throughout the session. Wednesday at 9. Mr. Klugh.

3. LABORATORY.—The laboratory work consists of such dissections and demonstrations as will elucidate the subject of the lectures. The lectures are illustrated by diagrams, charts, and lantern transparencies.

Reference books:

Linville and Kelly, *A Text-book in General Zoölogy.*

Colton, *Practical Zoölogy.*

Jordan and Kellogg, *Animal Life.*

HONOUR CLASSES.

Graduation in Honours in the department of Biology lessens, by one year, the length of the course required by the Medical Council of Ontario.

Preliminary Honours are awarded on the Honour papers of the first session in Honours.

Final Honours are awarded on the Honour papers of both sessions taken together.

The lectures and demonstrations in Physiology and Histology are attended simultaneously by students in Medicine and by Honour students in Arts.

Final Honour students may attend the course of lectures on the Development and Structure of the Nervous System, given by Dr. Kidd to medical students in the department of Human Anatomy.

The 75 histological specimens required for microscope study in Preliminary and Final Honours may be bought from Mr. Little for \$6.

Preliminary Honours.

1. **PHYSIOLOGY.**—An outline of the subject as contained in Bainbridge and Menzies' *Essentials of Physiology*.

Wednesday and Friday at 10. Professor Knight.

2. **CANADIAN ZOÖLOGY.**—The work of this class consists of lectures on the classification, life-histories, habits, and economic importance of the commoner Canadian animals from the Protozoa to the Mammals, and of the study of museum specimens of representative Canadian animals of each group.

Lectures—Monday and Friday at 2. Mr. Klugh.

Museum work—One hour a week at the student's convenience.

3. **PRACTICAL ANATOMY.**—Dissection of Paramœcium, Hydra, Starfish, Earthworm, Clam, Pond Snail, Cray Fish, Grasshopper, Perch, Frog, Turtle, Pigeon, Rabbit.

Tuesday and Thursday, 1-2; Thursday, 4-6. Dr. Kidd.

4. **JUNIOR HISTOLOGY.**—A practical study of the normal tissues of the mammalian body.

Monday and Friday at 10. Mr. Little.

Final Honours.

1. **PHYSIOLOGY.**—An advanced course including experiments upon muscle, nerve, the heart, blood-flow, respiration, etc., etc. The making of permanent records of these experiments by each student is an essential part of the course.

Lectures—Monday and Thursday at 10.; Thursday at 1. Professor Knight.

Laboratory work—Wednesday and Friday, 10-12. Mr. Klugh.

2. GENERAL ZOÖLOGY.—This class consists of lectures upon the History of Zoölogy, Animal Ecology, Zoölogical Field-work, Animal Distribution, Animal Intelligence, Heredity and Organic Evolution; of practical work in the preparation of museum specimens, and of the study of Canadian animals in the museum.

Lectures—Wednesday at 3, Thursday at 2, and Friday at 3.

Mr. Klugh.

Museum work—One hour a week at the student's convenience.

3. PRACTICAL ANATOMY.—More detailed dissection of animal forms than is required in the Preliminary Honours class; Amoeba, Vorticella, Sponge, Hydroid, Sea-urchin, Beetle, Grasshopper, Nereis, Skate, Squid, Dog-fish, Rabbit.

Tuesday and Thursday, 1-2; Thursday, 4-6. Dr. Kidd.

4. SENIOR HISTOLOGY AND EMBRYOLOGY.—A practical study of the organs of the body, and of the embryology of the chick and pig.

Wednesday at 8, Saturday at 11. Mr. Little.

Reference books:

- Schäffer, *Textbook of Physiology*, 2 Vols.
- Halliburton, *Handbook of Physiology* (latest edition).
- Hartwig, *Zoölogy*, translated by Kingsley.
- J. S. Kingsley, *Elements of Comparative Anatomy*.
- Hill, *Histology*.
- Balfour and Foster, *Elements of Embryology*.
- Darwin, *Origin of Species*.
- Parker and Haswell, *Text-book of Zoölogy*.
- Adams, *Guide to the Study of Animal Ecology*.
- Walter, *Genetics*.
- Osborn, *Economic Zoölogy*.
- Wells and Davies, *A Text-book of Zoölogy*.

EXTRA-MURAL STUDENTS.

Extra-mural students in the Pass class are required to do the practical work outlined for Honour Matriculation in Zoölogy. They will be examined on Linville and Kelly's *Text-book in General Zoölogy*. No assistance can be given by correspondence.

Extra-mural students can procure the necessary marine forms for dissection by ordering them from "The Supply Department, Marine Biological Station, Woodshole, Mass., U.S.A."

The practical examinations in Honours in Animal Biology are held at the University only.

CHEMISTRY.

PROFESSOR—William L. Goodwin, D.Sc. (Edin.), B.Sc. (Lond.),
F.R.S.C.

ASSOCIATE PROFESSOR—W. O. Walker, M.A.

ASSISTANT PROFESSOR—John Waddell, D.Sc. (Edin.), Ph.D. (Heid.),
B.Sc. (Lond.).

ASSISTANT PROFESSOR—Leo. F. Guttman, A.C.G.I., Ph.D., F.I.C.,
(absent on leave).

ASSISTANT PROFESSOR—W. D. Bonner, M.A., Ph.D. (Tor.).

ASSISTANT PROFESSOR—A. P. Lothrop, M.A., Ph.D.

LECTURER—J. A. McRae, M.A., A.I.C.

LECTURER—E. T. Sterne, B.Sc.

FELLOW—T. Jabine, B.Sc.

ASSISTANTS—R. C. Cantelo, B.Sc.; E. J. Fry, M.Sc.; J. G. Adams,
B.A.

PASS CLASSES.

Junior Class.

AN INTRODUCTORY COURSE IN GENERAL CHEMISTRY with experimental demonstrations.

Text-books:

Alex. Smith, *General Chemistry for Colleges* (Century Co.).

Laboratory Manual of General Chemistry.

Lectures—Monday and Wednesday at 11. Professor Goodwin.

Laboratory—Saturday, 9-12. Professor Bonner.

Senior Class.

1. ORGANIC CHEMISTRY.—The subject is treated in a general way in the lectures, and students are required to become familiar with laboratory methods in Organic Chemistry, and to make a few typical compounds.

Text-books:

A. W. Titherley, *Laboratory Course in Organic Chemistry* (Philip and Son).

Moore, *Outlines of Organic Chemistry* (Wiley and Sons).

Lecture—Thursday at 11.

Laboratory—Wednesday, 10-12. Professor Walker.

2. GENERAL AND ANALYTICAL CHEMISTRY.—A course of lectures dealing mainly with the chemistry of the metals and the theory of qualitative analysis.

Text-book: G. Senter, *Text-book of Inorganic Chemistry* (Van Nostrand Co.).

Tuesday at 8. Professor Bonner.

3. QUALITATIVE ANALYSIS.

Text-book: Stieglitz, *Qualitative Chemical Analysis*, Vol. II (Century Co.).

Laboratory—Wednesday, 2-5. Professor Bonner and assistants.

HONOUR CLASSES.

Preliminary Honours.

1. ORGANIC CHEMISTRY.—The subject is treated in the lectures in more detail than in Senior Chemistry, and the typical reactions of the different classes of organic compounds are studied in the laboratory.

Text-books:

Norris, *The Principles of Organic Chemistry* (McGraw Hill Book Co.). .

A. W. Titherley, *Laboratory Course in Organic Chemistry*.

Lectures—Wednesday at 2, and Friday at 9.

Laboratory—Friday, 2-5. Professor Walker.

2. INDUSTRIAL CHEMISTRY (or, for students who intend to take a course in Medicine, PHYSIOLOGICAL CHEMISTRY, URINALYSIS, etc. See Calendar of the Faculty of Medicine). The course deals with the manufacture of chemicals and other industrial products, and with the apparatus employed. Special attention is given to problems of importance to Canada at the present time.

Text-book: Thorp, *Industrial Chemistry* (Macmillan).

Lectures—Tuesday at 8, and Thursday at 3.

Laboratory—Saturday, 9-12. Professor Guttman.

3. QUALITATIVE ANALYSIS.

Text-book: Stieglitz, *Qualitative Chemical Analysis*, Vols. I, II (Century Co.).

Four hours a week—Tuesday, 2-5; Wednesday, 8-9.

Professor Bonner and assistants.

4. QUANTITATIVE ANALYSIS.—Barium Chloride, Magnesium Sulphate, Acidimetry and Alkalimetry, Iron Ore, Brass, Limestone.

Text-book: Waddell, *Quantitative Analysis in Practice* (Churchill).

Monday, 9-12. Professor Waddell.

5. INTRODUCTORY PHYSICAL CHEMISTRY.

Text-book: Walker, *Physical Chemistry* (Macmillan).

Lecture.—Thursday at 8. Professor Guttman.

6. CRYSTALLOGRAPHY (Elementary). See MINERALOGY (*First term*).

Text-book: Williams, *Crystallography* (Holt).

Final Honours.

1. PHYSICAL CHEMISTRY.—The various fields of Physical Chemistry, including a brief outline of electro-chemistry, are taken up. Attention is also given to the application of the principles involved. The most important physico-chemical measurements are studied in the laboratory.

Text-books :

Walker, *Physical Chemistry* (Macmillan).

Findlay, *Practical Physical Chemistry* (Longmans).

Lecture—Friday at 8.

Laboratory—Tuesday, 2-5. Professor Guttman.

2. HISTORY OF CHEMISTRY.

Thursday at 10. Professor Goodwin.

3. QUANTITATIVE ANALYSIS.—Coal, Pig Iron or Steel, Lead Ore, Zinc Ore, Nickel Ore, Barite, Chromite, Feldspar, Titaniferous Ore.

Monday, 8-12; Friday, 9-12. Professor Waddell.

4. ADVANCED ORGANIC CHEMISTRY.—The lectures deal with selected topics of an advanced character. The laboratory work includes quantitative work and preparations of a more difficult character.

Lecture—Thursday at 9.

Laboratory—Monday, 3-5. Professor Walker.

5. ADVANCED INORGANIC CHEMISTRY.—A course of lectures with laboratory work on advanced Inorganic Chemistry.

Lecture—Wednesday at 10.

Laboratory—Monday, 1-3. Professor Waddell.

6. FIRE ASSAYING.—Gold and Silver. This is given in the department of Mining and Metallurgy.

Text-book: Furman, *Manual of Assaying* (Wiley and Sons).

Second term. Saturday, 8-12.

NOTE.—An option is allowed between advanced Organic Chemistry and advanced Inorganic Chemistry.

EXTRA-MURAL STUDENTS.

Extra-mural students are required to do the prescribed work promptly and will not be admitted to examination until this work is completed.

Junior Class.

Books to be read:

Alex. Smith, *General Chemistry for Colleges* (Century Co.).

Waddell, *Arithmetic of Chemistry*, Chapters I-V (Macmillan).

Waddell, *A School Chemistry* (Macmillan).

Senior Class.

Books to be read:

Walker, *Physical Chemistry* (Macmillan).

Waddell, *Arithmetic of Chemistry*, Chapter VI to end.

Norris, *The Principles of Organic Chemistry* (McGraw Hill Book Co.).

MINERALOGY.

PROFESSOR—William Nicol, M.A.

FELLOW—W. M. Goodwin, B.A., B.Sc.

GENERAL NOTICE TO STUDENTS IN MINERALOGY.

1. Students should take Junior Chemistry, Junior Physics, and Junior German before beginning work in Mineralogy.
2. Students in Mineralogy are expected to take part in the field excursions which are made on every fair Saturday in October and November. The cost of the field work will not exceed \$5. When the weather prevents the regular excursions, demonstrations will be given in the Museum.
3. Each student in the Department, on making a deposit of \$10, is supplied with a locked cabinet containing about 150 mineral specimens. These must be returned at the close of the session.
4. The Department has its own Library as well as a Study and Consulting Room. One of the instructors will be available for consultation when classes are not being held. Systematic and illustrative collections of minerals, crystals, and models are on exhibition, and students are urged to take advantage of the facilities offered by the Museum.
5. All classes meet in Ontario Hall, third floor.

PASS CLASS.

1. ELEMENTARY MINERALOGY. Demonstrations with specimens and the lantern.
2. DESCRIPTION AND DETERMINATION OF THE FOLLOWING MINERALS: Diamond, graphite, native arsenic, native silver, native gold, native copper, stibnite, molybdenite, cinnabar, galenite, chalcocite, malachite, azurite, sphalerite, niccolite, smaltite, chloanthite, pyrrhotite, bornite, chalcopyrite, pyrite, marcasite, arsenopyrite, halite, fluorite, quartz and principal varieties, corundum, hæmatite, magnetite, chromite, pyrolusite, psilomelane, limonite, calcite, dolomite, siderite, orthoclase, plagioclase, pyroxene and varieties, olivine, amphibole and varieties, garnet, tourmaline, nepheline, sodalite, stilbite, analcite, natrolite, muscovite, biotite, phlogopite, chlorite, serpentine, talc, sphene, scapolite, beryl, epidote, zircon, staurolite, apatite, barite, celestite, gypsum, coal and varieties.

Text-book: *Miller, *Minerals and How They Occur* (Copp Clark Co.).

The class meets in the Mineralogy lecture room, Ontario Hall.

Tuesday at 11.

3. ELEMENTARY CRYSTALLOGRAPHY.—A course of about fifteen demonstrations with models and crystals, given at the opening of the session.

Text-book: *Williams, *Crystallography* (Holt).

4. BLOWPIPE ANALYSIS.

- (a) A course of practical demonstrations to illustrate and explain the reactions in studying the chemical properties of minerals.
- (b) A practical class in which the experiments seen in the lectures are performed by the students.

Text-book: *Brush and Penfield, *Determinative Mineralogy and Blowpipe Analysis*, 1906, 15th edition.

Reference books:

Cornwall, Translation of Plattner's *Manual of Qualitative and Quantitative Analysis with the Blowpipe*, 7th edition (Van Nostrand Co.).

Cornwall, *Manual of Blowpipe Analysis* (Van Nostrand Co.).

Landauer, *Blowpipe Analysis*.

Endlich, *Manual of Qualitative Blowpipe Analysis*.

Moses and Parsons, *Mineralogy, Crystallography, and Blowpipe Analysis*, 2nd edition.

The class meets in the Blowpipe lecture-room, Ontario Hall. The text-book and a small note-book are necessary. Students must supply their own blowpipe apparatus.

Friday, 10-12.

MINERALOGY V.

PREPARATORY MINERALOGY.

The work of this class is intended for students taking the course in Civil Engineering—Course E—and for those who attend the class of Geology I. without any previous knowledge of mineralogy.

The work consists of a course of about a dozen practical demonstrations, one hour per week during the fall term, to make students familiar with the more common rock-forming minerals and ores, so that the geology lectures may be more intelligible. The students are taught to recognize minerals by field-tests, such as form, colour lustre, streak, hardness, specific gravity, etc.

Wednesday at 11. First term.

The attention of students is called to the collection of minerals on exhibition in the students' Study, and to the several collections in the Museum in the basement. Students in this class should attend the Saturday excursions.

Text-book: Miller, *Minerals and How They Occur*.

HONOUR CLASSES.

Preliminary Honours.

(A knowledge of French and German is necessary.)

1. SYSTEMATIC MINERALOGY, illustrated by specimens, charts, lantern slides, etc.

Monday at 11; Friday at 9. First term.

Text-book: Dana, *Text-book of Mineralogy*, 1912 (Wiley and Sons).

Reference books (found in the Library of the Department):

Moses, *Characters of Crystals*, 1899.

Miers, *Mineralogy* (Macmillan).

Van Horn, *General and Special Mineralogy*.

Naumann-Zirkel, *Mineralogie*.

Tschermak, *Mineralogie*.

Practical work at hours convenient for members of the class.

2. PRACTICAL CRYSTALLOGRAPHY. Practical study of crystal forms by means of crystals, and wire and wooden models. Two demonstrations a week are given at hours to suit the members of the class.

3. QUALITATIVE ANALYSIS of minerals by blowpipe and wet reagents. Lectures and demonstrations. This course consists of the Qualitative Analysis in Preliminary Honour Chemistry and of the analysis of selected mineral samples to be secured by the students individually from Professor Nicol. Written reports of these analyses must be handed in systematically.

Text-book: Fresenius, *Qualitative Analysis*.

Reference books:

Ostwald, *Foundations of Analytical Chemistry* (Macmillan).

Menschutkin, *Analytical Chemistry* (Macmillan).

4. ESSAYS ON PRESCRIBED SUBJECTS.

5. SHORT LECTURES by the individual members to the class.

Final Honours.

1. DESCRIPTIVE MINERALOGY.—Description and classification of the commonly occurring minerals with special attention to Canadian ores and rock forming minerals. Study hours may be arranged to suit the members of the class. Attendance is compulsory.

Tuesday at 8, and Wednesday at 1.

Text-book: Dana, *System of Mineralogy*, 6th edition (Wiley and Sons).

Reference books (found in the Library of the Department):

Chapman, *Minerals and Geology of Ontario and Quebec*, 3rd edition (Copp Clark Co.).

Commissioners' *Report on Mineral Resources of Ontario*, 1890.

Reports of Geological Survey. New series, 1885-1911.

Foote, *Catalogue of Minerals*.

2. DETERMINATIVE MINERALOGY.

(a) Practical instruction in the determination of minerals by means of the blowpipe and by field tests.

Tuesday, 1-3.

- (b) Examination of specimens from cabinets. Attendance is compulsory.

Tuesday at 8, and Wednesday at 1.

Special hours will be arranged for microscopic work.

Text-books:

Brush and Penfield, *Manual of Determinative Mineralogy and Blow-pipe Analysis* (1905).

Crosby, *Tables for the Determination of Common Minerals*.

Eakle, *Mineral Tables*.

3. QUANTITATIVE ANALYSIS OF SELECTED MINERALS. Lectures and demonstrations.

Text-book: Fresenius, *Quantitative Analysis*.

4. ECONOMIC GEOLOGY. (See under GEOLOGY.)

5. PETROGRAPHY. (See under GEOLOGY.)

6. USE OF HEAVY SOLUTIONS IN SEPARATING MINERALS FOR ROCK ANALYSIS.

7. USE OF CONTACT AND REFLECTING GONIOMETER.

8. DRAWING CRYSTALS FROM GONIOMETRIC MEASUREMENTS.

9. LECTURES ON ECONOMIC MINERALOGY AND HISTORY OF MINERALOGY. These lectures will be illustrated by lantern-slides, and will be delivered at hours convenient for the members of the class.

Wednesday at 8, and an hour to be arranged.

10. DEMONSTRATIONS WITH COMPOUND MICROSCOPE to show the beauties and interesting phenomena of microscopic mineral mounts in reflected light.

11. ESSAYS to be handed in as follows:

Oct. 14—*Dana's Principles of Classification*.

Oct. 30—*The Diamond*.

Nov. 15—*Three Modern Mineralogists*.

Nov. 30—*The Phosphate Industry*.

Dec. 20—*The Rutile Industry*.

Jan. 15—*The Asphalt Industry*.

Jan. 30—*Quartz as a Mineral and as a Precious Stone*.

Feb. 28—*The Composition of the Silicates*.

Mar. 15—*The Asbestos Industry*.

Essays of merit may be retained for use in the Library of the Department.

12. THE INVESTIGATION OF A MINERAL OR ROCK OF ECONOMIC OR SCIENTIFIC IMPORTANCE. This will involve chemical, mineralogical, and geological work.

Reference books:

The Mineral Industry (Library Geol. Department).

Reports of Bureau of Mines, 1891-1914 (Library).

Transactions of Canadian Mining Institute.

American Journal of Science (Library).

Wilmott, *Mineral Wealth of Canada* (Library).

Books for reading:

Hugh Miller's Works.

Lyell, *Principles of Geology.*

EXTRA-MURAL STUDENTS.

Examinations are held only at the University.

Unless students have access to a High School or Collegiate Institute Laboratory, they should not attempt the work in Mineralogy.

In addition to writing essays extra-mural students are required to determine and describe the minerals in collections furnished by the University.

Extra-mural students, on making a deposit of \$5 with the Registrar, may obtain for one month a collection of wooden crystal models. Applications for these must be made early in the session, as the collection is sent to students in turn.

A collection of rocks, minerals, and fossils, illustrating Miller's *Minerals and How They Occur*, will be sent by express to each extra-mural student as soon as a deposit of ten dollars has been made with the Registrar. This collection must be returned at the close of the session, when the deposit will be returned, less breakage and loss, if any. Express charges must be paid by students.

Students must secure the text-books marked with an asterisk and a set of blowpipe apparatus.

The lecturer in Mineralogy will send directions and material for blowpipe work as soon as students have registered and have paid the tutorial fee. Reports of progress must be made periodically to the lecturer.

The examination, held in April at the University *only*, is largely practical, and for this examination students must bring with them the apparatus which they have used at home.

GEOLOGY.

PROFESSOR—M. B. Baker, B.A., B.Sc., F.G.S.A.

ASSISTANT PROFESSOR—Jesse E. Hyde, M.A.

GENERAL NOTICE TO STUDENTS IN GEOLOGY.

1. The various courses in Geology are intended to equip both the professional Geologist and the student who is interested in the subject from the purely educational standpoint.

2. Queen's University is exceptionally well situated for the study of Geology. An eminent Canadian Geologist has said that with the possible exception of Freiberg, Germany, it has no equal in this respect. Within a half hour's walk of the College, Laurentian rocks are exposed, and on their eroded and disintegrated borders the earliest fossiliferous rocks are laid, from which the records of the earth's history are to be read. Students are thus in Nature's Museum where the geological processes are displayed with unmistakable clearness. See section 4 under FINAL HONOURS.

3. During the months of October and November, excursions will be conducted each Saturday to places of geological interest in the vicinity of Kingston. Students in Geology and Mineralogy are required to take part in these excursions. The cost will not exceed \$5. Each student should provide himself with a suitable hammer, specimen bag, and notebook.

4. Students taking Pass Geology who have not taken or are not taking Pass Mineralogy, are required to attend a brief course of lectures on minerals (Mineralogy V) delivered especially for students in this course at the beginning of the fall term.

PASS CLASS.

1. INTRODUCTORY COURSE IN PHYSIOGRAPHY AND GENERAL GEOLOGY. The following topics indicate roughly the scope of the course: Forces operating on the earth's surface,—the atmospheric forces, streams, glaciers, waves, etc.; the land forms produced by these forces; volcanism; earth movements; structure of the earth's crust; mountain formation; kinds of rocks and their formation; fossils; outline of the history of the earth, including the evolution of its plant and animal life. In addition to those topics which are more particularly the province of Geology, consideration is given to the various types of topography and their method of formation, the atmosphere, its temperature, moisture and circulation, storms, climate, ocean currents, tides, etc., and, as far as time will permit, their influences on the human race will be indicated.

The course is designed to cover the work generally included in elementary courses in Physiography and Geology and to avoid the repetition which is usual where such work is given in two separate courses. It is preparatory for those students who proceed to more advanced work in Geology. At the same time, it is so complete that those who will not pursue the subject farther may read intelligently on earth history or may observe intelligently the topography and the forces active on the earth's surface and have some appreciation of how topography and physical forces condition the daily life of the individual or the race, and of how they have influenced the history of races in the past. This course will prove valuable to students who contemplate teaching Physical Geography in our schools.

The lectures are illustrated by maps, models, lantern slides, and specimens.

2. LABORATORY. Laboratory work will consist of the examination of typical specimens of fossil plants and animals and of hand specimens of the more common rocks.

Text-books:

Scott, *An Introduction to Geology*.

Salisbury, *Physiography* (Briefer Course).

Tuesday and Friday at 2; Friday at 8. Professor Hyde.

HONOUR CLASSES.

Preliminary Honours.

1. STRUCTURAL, DYNAMICAL, AND PHYSIOGRAPHICAL GEOLOGY.

- (a) The origin of the earth and the principles of earth movements, deformation, faulting, mountain formation, metamorphism, and vulcanism are covered in a more general and more advanced way than in Pass Geology.

First term. Wednesday at 10. Professor Hyde.

- (b) Advanced consideration of surface processes, action of winds, streams, waves, glaciers, etc., various types of marine and continental sedimentation, and the development of land forms.

Second term. Monday and Friday at 10. Professor Hyde.

Text-book: Chamberlin and Salisbury, *College Geology*.

Reference books:

Chamberlin and Salisbury, *Geology*, Vol. I.

Van Hise, *A Treatise on Metamorphism*.

Clarke, *The Data of Geochemistry*.

Harker, *The Natural History of Igneous Rocks*.

National Geographic Society, Monographs, Assigned Readings.

2. **ELEMENTARY PETROGRAPHY.** This course is essentially on igneous Geology and Petrography, and will consist of lectures on the use of petrographical microscope and accessories in the determination of rock-forming minerals, and in the determination of some of the more common igneous rocks by both microscopic and field tests. This will be followed by lectures and discussion on the geological occurrences of igneous rocks, the processes of crystallisation from magmas, the forms assumed, the textures, and the metamorphic changes that are produced in the intrusive mass itself, and on its surroundings. The lectures will be illustrated by projections of thin sections of rocks, and will be supplemented by laboratory work on hand specimens and rock slices.

Text-books:

Luquer, *Minerals in Rock Sections*.
Pirsson, *Rocks and Rock Minerals*.

Reference books:

Iddings, *Igneous Rocks*.
Rosenbusch and Iddings, *Microscopical Physiography of Rock-forming Minerals*.
Harker, *Petrology for Students*.
Iddings, *Rock Minerals*.
Johannsen, *Determination of Rock-forming Minerals*.

Tuesday and Thursday at 10.

Laboratory class two hours a week; to be arranged to suit students' time-table.

Professor Baker.

3. **ECONOMIC GEOLOGY.** A course of lectures will be given on the genesis of ore deposits, their modes of occurrence, classification, and secondary enrichment. The subject of 'croppings' or gossan formation will be discussed, the faulting and other disturbances of ore deposits, the tracing of the faulted portions, the surface and underground evidences of faulting, etc. During the term excursions will be made to various mines in the vicinity of Kingston.

Text-book: Spurr, *Geology Applied to Mining*.

Reference books:

Kemp, *Ore Deposits of the United States and Canada*.
Phillips and Louis, *A Treatise on Ore Deposits*.
Beck, *The Nature of Ore Deposits* (translated by Weed).
Proc, A.I.M.E., *Origin of Ore Deposits*.
Rothwell, *The Mineral Industry*.

First term. Monday and Friday at 10. Professor Baker.

4. GEOLOGY OF CANADA. In this course special attention will be given to stratigraphical Geology, and the distribution of the various rock formations in Canada. The topography as well as the structural make-up of the Dominion is studied. The climatic and economic differences of the various portions of Canada are explained.

Reference books:

Brock and Young, *Geology and Economic Minerals of Canada*.

Dawson, *Geology of Canada*.

Chapman, *Minerals and Geology of Ontario and Quebec*.

Geological Survey of Canada Reports.

Reports of the various provincial Bureaus of Mines.

Second term. Wednesday at 10. Professor Baker.

Final Honours.

1. HISTORICAL GEOLOGY. After a brief study of the various types of sedimentary formations and the principles of Paleogeography, the history of the North American continent is taken up. Many of the more important fossils of each period are studied and their recognition on sight required. Brief consideration is also given to the history of the science of Geology.

Text-book: Chamberlin and Salisbury, *College Geology*.

Reference books:

Schuchert, *Paleogeography of North America*.

Chamberlin and Salisbury, *Geology*, Vols II, III.

Dana, *Manual of Geology*.

Grabau and Shimer, *North American Index Fossils*.

Zittel, *Text Book of Paleontology*.

Various Authors, *Outlines of Geologic History*.

Geikie, *Founders of Geology*.

Zittel, *History of Geology*.

Monday and Thursday at 11. Professor Hyde.

2. ADVANCED PETROGRAPHY. A course of lectures will be given on the microscopic characters and classifications of igneous rocks, and on their origin, geological form, and general field characters. The lecture work will be supplemented by assigned special reading and by laboratory work with both hand specimens and microscopic slices. Special attention will also be paid to the metamorphic rocks.

Reference books:

Harker, *The Natural History of Igneous Rocks*.

Kemp, *Hand Book of Rocks*.

Iddings, *The Origin of Igneous Rocks*.

Van Hise, *Correlation Papers, Archean and Algonkian*.

Iddings, Weed, Pirsson, Washington, *Classification of Igneous Rocks*.
Rosenbusch and Iddings, *Microscopical Physiography of Rock-forming Minerals*.

Rosenbusch, *Die Massige Gesteine, Elemente der Gesteinslehre*.
Zirkel, *Lehrbuch der Petrographie*, Vols. I-III.

Friday at 11.

Laboratory class two hours a week to be arranged to suit students' time-table.

Professor Baker.

3. ECONOMIC GEOLOGY. The work in this class is supplementary to that in Preliminary Honour Geology, and is an illustration of the principles of ore deposition studied in that class. For this purpose type deposits in the largest producing districts throughout the world are studied in some detail. It is of course impossible to treat of all products, but the basis of classification and the fundamental principles underlying economic deposits are studied with particular reference to iron, copper, nickel, zinc, lead, silver, gold, aluminium, peat, coal, gas, oil, salt, abrasive and refractory materials. A few lectures on building stone, and on clays and the manufacture of clay products will be given.

Within one hundred miles of Kingston a greater variety of economic minerals and ores is mined than in any similar area in Canada, and possibly in the world. Through the kindness of the managers, advanced students may visit the various mines and thus gain valuable information regarding economic Geology.

Reference books:

Willams, *Applied Geology*.

Ries, *Economic Geology of the United States*.

Beck, *Nature of Ore Deposits* (translated by Weed).

Kemp, *Ore Deposits of the United States and Canada*.

Merrill, *The Non-Metallic Minerals*.

Mineral Statistics of the Geological Survey of U. S. and Canada.

Monday at 3, Tuesday at 11. Professor Baker.

4. FIELD AND LABORATORY GEOLOGY. The laboratory exercises in this course are designed to illustrate by means of specimens, models, photographs, maps, and sections the principal original and secondary structures of rocks; the origin and mode of occurrence of rocks in the earth's crust, their cycles of alteration and change, their interpretation and representation in geological surveys and maps.

The field work comprises observations upon the weathering of rocks, shore phenomena, glacial phenomena, igneous and sedimentary rocks, faulting, folds, joints, cleavage, schistosity. It gives practice in methods of surveying;

in geological mapping and construction of sections; in measuring the thickness of strata; and in determining the relative ages of geological structures. The preparation of a map to scale from actual field work done by the student is required.

Four working hours a week will be arranged to suit the class at the beginning of the fall term.

Graduates or others wishing to investigate any special geological problem will have all possible facilities in the way of laboratories and apparatus placed at their disposal. A departmental Library is maintained to which students will have free access.

EXTRA-MURAL STUDENTS.

The work in Honour Geology is largely of a practical nature and must be taken intra-murally.

Extra-mural students in Pass Geology will use as text-books, Scott's *An Introduction to Geology* (Macmillan) and Salisbury's *Physiography* (Holt). The latter is a more advanced text than the *Briefer Course* which is used intra-murally, and will in part take the place of some of the class room exercises. Miller's *Minerals and How They Occur* (Copp Clark) is suggested for additional reading.

Students who are not taking Mineralogy are advised to pay particular attention to Chapter A of Scott's *Introduction to Geology*, and to Miller's *Minerals and How They Occur*.

POST-GRADUATE DEGREES.

DOCTOR OF DIVINITY (D.D.).

This degree is honorary, and is awarded for literary or professional distinction.

DOCTOR OF LAWS (LL.D.).

This degree is honorary, and is awarded for literary, scientific, or professional distinction.

DOCTOR OF PHILOSOPHY (PH.D.) AND DOCTOR OF SCIENCE (D.Sc.).

1. Work for these degrees shall be carried on in two or more departments. It shall consist of a major subject, in connection with which a thesis shall be written, and one minor subject or two semi-minor subjects, in which the requirements of the examinations shall be of a less exacting character.

2. Candidates for these degrees must comply with one of the following conditions:

(a) If they offer themselves for the degree of Ph.D. or D.Sc. in any two of the Arts subjects, they must previously have taken the degree of M.A. in these subjects, or must satisfy the Senate of their ability to proceed with the course.

(b) If they offer themselves for the degree of Ph.D. in one of the Arts subjects and either Old Testament Language and Literature or New Testament Language and Literature they must have previously obtained the degree of M.A. or B.A. with first-class honours in the Arts subjects chosen, have completed their course in Theology, and have passed the examination in half of the course for B.D.

(c) If they offer themselves for the degree of Ph.D. in Old Testament Language and Literature and New Testament Language and Literature they must previously have taken an Arts degree and the degree of B.D.

3. The degree cannot be obtained in less than three years after the above conditions have been complied with. A year's resident work may be required at any stage of the course by the professors concerned in the work.

4. A candidate shall submit a thesis on some subject connected with the major courses, embodying the results of original investigation. A copy of this thesis shall be submitted to the departments concerned not later than March 20 in the year of the final examinations. On approval of the thesis the candidate shall deposit with the Librarian fifty printed copies, or give a guarantee that these shall be deposited not later than one year after the degree has been conferred.

Publication of the thesis in any reputable journal, or in the transactions of any learned society, fifty off-prints of which shall be duly deposited with the Librarian, will be accepted as an equivalent.

5. Candidates for these degrees must make application through the Registrar to the Senate to be allowed to proceed with the course, stating the subjects they wish to offer, and must register either as intra or extra-mural students each session in which work is taken. Extra-mural students in addition to the registration fee must pay a tutorial fee of \$5 a session for each subject.

6. The following conditions are laid down with regard to preliminary, interim, and final examinations.

(a) There shall be at least one external examiner in each course, for the major subject and thesis.

(b) Preliminary qualifying examinations when required will be set by the Professor in charge.

(c) Interim and partial examinations, to be held before the third and last year, may be set and conducted by the Professor concerned in any course.

(d) Final examinations shall be conducted only during the ordinary sessional examinations and must be conducted within the University.

I.—SUBJECTS OF STUDY FOR THE DEGREE OF PH.D.

Latin.

The Ph.D. course in Latin is a continuation of the Honours work, but is more specialised and involves a more detailed use of original authorities. Latin may be taken as either a major or a minor subject. Papers will be set on the following:

1. COMPOSITION.
2. TRANSLATION AT SIGHT.
- *3. ROMAN HISTORY from 133 B.C. to 117 A.D.
- *4. LATIN LITERATURE.
- †5. ONE OF THE FOLLOWING:
 - (a) A special period or department of Latin Literature studied in connection with original authorities.
 - (b) A special period or department of Roman History studied in connection with original authorities.
 - (c) Latin Palæography and Textual Criticism, with a special critical study of selected texts.
 - (d) Roman Archæology.
 - (e) The Italic Dialects and the History of the Latin Language.

All intending candidates should consult the head of the department, who will be glad to give information and advice.

*Only for candidates taking Latin as a Minor Subject.

†Only for candidates taking Latin as a Major Subject. Such candidates must write a thesis on some topic connected with Latin scholarship.

Greek.

Candidates for Ph.D. may offer Greek as a minor or as a semi-minor subject.

A semi-minor course includes:

1. A DETAILED STUDY OF SELECTED TEXTS, namely, those prescribed in the Final Honour course, with additions.
2. A GENERAL KNOWLEDGE OF THE POLITICAL AND LITERARY HISTORY OF GREECE.
3. UNSEEN TRANSLATION AND GREEK PROSE COMPOSITION.

A minor course includes the foregoing in a somewhat elaborated form, with the addition of,

1. A SURVEY OF ARCHÆOLOGY IN GREEK LANDS.
2. COMPARATIVE PHILOLOGY. For this part of the work such a manual as that of Giles is sufficient.

English.

In English only a semi-minor course is offered. It consists of the work in section I, together with the work in either section II or section III, and is open only to those who have made seventy-five per cent. or over in Final Honour English.

Candidates are required to have a reading knowledge of French and German.

I.

1. A MINUTE KNOWLEDGE OF ANGLO-SAXON GRAMMAR AND PHONOLOGY.
2. A CAREFUL STUDY OF THE *BÉOWULF*, with essays on three of the following topics:
 - (a) A study of Old English Heroic Poetry based on the *Béowulf*.
 - (b) The Art of the *Béowulf*.
 - (c) The Heathen and the Christian Elements in the *Béowulf*: their relation and significance.
 - (d) The *Béowulf* as a Representation of the Life and Beliefs of the Time.
 - (e) Myth and History in the *Béowulf*.
 - (f) Style and Vocabulary as a Test of Authorship in Anglo-Saxon Poetry.

II.

A GENERAL STUDY OF CHAUCER and the relations which his work bears (1) to Old English poetry, (2) to the poetry of Northern France, (3) to Italian poetry. Candidates will write papers on two of the following subjects:—

- (a) *The Complaynte unto Pite* as a typical specimen of French Court Poetry, with attention to the conventional element and to the possible personal element.
- (b) Chaucer's handling of the octosyllabic couplet in the *Book of the Duchess*; its technical and artistic qualities.
- (c) The influence of Dante in Chaucer's *House of Fame*.

III.

A SPECIAL STUDY OF ANY TWO OF THE FOLLOWING WORKS:

1. Wordsworth, *Prelude*.
2. Carlyle, *Life of John Sterling*, or *Cromwell's Letters and Speeches*.
3. Tennyson, *In Memoriam*.

History.

The following courses are offered in History, four constituting a major, three a minor, and two a semi-minor. For a major section 1 is compulsory. The thesis may be chosen from any of the fields of study, but the presence of original material in the Canadian Archives and some of the greater American libraries makes the choice of American and Canadian themes preferable. When candidates have been accepted by the Senate, they should write at once to one of the professors in the department. They will then receive definite instructions.

1. THE EARLIER CONSTITUTIONAL HISTORY OF ENGLAND. Stubbs in his three volumes covers the ground; but more recent results must be studied in Maitland's constitutional volumes, especially *Domesday Book and Beyond*; in J. H. Round's *Feudal England*; and in Chadwick's *Origin of the English Nation*. In addition to a general knowledge of the whole period, students will be required to have a detailed knowledge of special topics, e.g., the Constitutional Documents of Henry II's reign; or Magna Carta, with McKechnie's *Magna Carta* as guide; or the Development of Parliament under Edward I. Knowledge of Latin is essential.

2. A SHORT PERIOD OF BRITISH HISTORY, to be selected in consultation with the Professor of Modern History, and to be studied from contemporary authorities. No recommendations are made, but the following are given as illustrations:

The Reign of Henry VIII, worked up from (a) calendars of state papers; (b) the Statutes of the Realm; (c) various social, political, or literary documents such as More's *Utopia* and his *Life* by Roper, Cavendish's *Wolsey*, Thomas Cromwell's *Letters*, Strype's writings on the reign.

The Great Rebellion, with Gardiner's volumes as guide, and the memoirs of the time, e.g., Clarendon's, Baillie's, Ludlow's, as material. Knowledge will be expected also of Milton's controversial writings, of religious writings like George Fox's autobiography, of the Letters of Oliver Cromwell, and of the chief constitutional documents of the time.

3. A PERIOD OF EUROPEAN HISTORY, or a subject equivalent to a period. If a period is taken—e.g., 1558-1598—the activities of all the great powers must be studied, and such minor matters as were connected with the great powers. If a subject is chosen, it must be such as these: the Florence of Savonarola and Machiavelli; the Sixteenth Century Seamen; the Jesuits in Europe; the development of the Modern German Constitution.

A knowledge of a foreign language, French, German, or Italian, is requisite, and certain books will be set in the particular language chosen.

4. A PERIOD OF COLONIAL HISTORY, preferably Canadian, or a subject equivalent to a period. Candidates must not only know the literature of the period or subject, but will be expected to do research work among unpublished documents.

5. A PERIOD OF AMERICAN HISTORY, or a subject equivalent to a period. The period or subject may be either previous or subsequent to the American Revolution.

6. BRITISH INDIA. Mill's History (in its latest form) may be regarded as covering the ground, in conjunction with Malleson and Kaye's *History of the Mutiny*. Candidates must know the constitutional changes from the beginning. The following lives must be studied: Warren Hastings, Wellesley, Dalhousie, John Lawrence. Recent developments should be known at first hand.

Mental and Moral Philosophy.

I.

Candidates who desire to obtain the degree of Ph.D. in Philosophy alone are allowed the following options which count as a combined major and minor course:

1. They may offer any *four* of the following books:

Plato, *Republic*.

Aristotle, *Organon* (Selections of Oxford Press), *Metaphysics* (Selections), *De Anima*, *Nichomachean Ethics*, *Politics*.

Kant, *Kritik der reinen Vernunft*, *Kritik der praktischen Vernunft*, *Kritik der Urtheilskraft*.

Hegel, *Encyclopädie*, I and III; *Wissenschaft der Logik*, any two books; *Phänomenologie des Geistes*; *Philosophie des Rechts*; *Philosophie der Religion*.

Ability to translate the books offered is presumed.

2. They may offer any *two* of the above books, together with the works of any *one* of the following authors: Rousseau, Comte, Schopenhauer, Lotze, Hartmann, John Stuart Mill, Herbert Spencer, T. H. Green, Henry Sidgwick, Edward Caird, F. H. Bradley or Bosanquet.

3. They may offer any *two* of the above books, together with *one* of the following sections:

(a) The Principles of Logic. References: The logical treatises of Hegel, Mill, Jevons, Venn, Lotze, Sigwart, Bradley, Bosanquet, and Joseph.

(b) The Principles of Psychology. References: The psychological works of James Mill, J. S. Mill, Bain, Wundt, Sully, Ladd, James, Adamson, Lotze, Ward, and Stout.

(c) The Principles of Ethics. References: The ethical works of Plato, Aristotle, J. S. Mill, Bain, Sidgwick, Green, Bradley, Spencer, Stephen, Martineau, Caird, and Croce.

(d) The Principles of Aesthetics. References: The aesthetic treatises of Aristotle, Lessing, Kant, Schiller, Hegel, Lotze, Schasler, Ruskin, and Croce.

4. They may offer any one of the authors mentioned above in Section 2, together with one of the sections under 3.

II.

Candidates who combine a partial course in Philosophy with the work prescribed in another department may offer either (1) any *two* of the books mentioned above in I, 1; or (2) the works of any one of the authors mentioned in I, 2; or (3) one of the sections in I, 3. Any of these options counts as one major.

Political and Economic Science.

Candidates offering Political and Economic Science as their major subject will be required to take work within five of the following groups of study; candidates choosing it as their minor, within three groups. Where possible, the Canadian aspect of the problems considered will be especially stressed. Details of the reading and requirements in the various courses may be obtained from Professor Skelton or Professor Swanson.

1. ECONOMIC THEORY: Scope and Method, Value and Distribution.
2. FINANCE: Money, Banking, Insurance, Corporations and Corporation Finance.
3. COMMERCE AND TRANSPORTATION: Economic History and Geography, Trade, Tariffs, Railroads.
4. PUBLIC FINANCE AND TAXATION; Statistics.
5. POLITICAL THEORY: English and American Theories since the Seventeenth century.

6. COMPARATIVE GOVERNMENT, national and municipal, structure and working.
7. JURISPRUDENCE, Constitutional Law, International Law, and Diplomacy.
8. ANTHROPOLOGY AND SOCIAL ORIGINS.
9. SOCIAL PROBLEMS; the Labour Movement; Socialism.

Old and New Testament Language and Literature.

Candidates must take note that the amount and quality of the work demanded for this degree will, in the judgment of the Faculty, require three years' post-graduate work at the University, or six years' extra-mural work.

Candidates are required to present a thesis on a subject chosen from their *Major Course* and approved by the Professors of the department.

OLD TESTAMENT LANGUAGE AND LITERATURE.

The candidate will be required to show to the Examiners, by means of critical essays and examination papers, that he possesses comprehensive and accurate knowledge in the following departments:

I.—Major Course.

1. LANGUAGES: Hebrew and Aramaic. Unseen Translation. Hebrew Composition.
2. HISTORY: the history of Israel to the year 141 B.C. Outline of the history of Egypt and Babylon, in so far as these bear on the history of Israel.
3. LITERATURE: the contents and character of the books of the Old Testament and of the following books:—*Ecclesiasticus*; *Maccabees*, I and II; *Esdra*s, I and II; *Baruch*; *Tobit*; the additions to *Daniel*.
4. OLD TESTAMENT THEOLOGY OR HISTORY OF THE HEBREW RELIGION down to 141 B.C.
5. CRITICISM, TEXTUAL, LITERARY, AND HISTORICAL. In this department papers will be set on books, or portions of books, representing all classes of Hebrew Literature, historical, poetic, prophetic, etc. The quantity of this work will be arranged with each candidate after consultation with the Professors involved in his course. A list of books and suggestions as to methods of work may be had on application to Professor Jordan.

II.—Minor Course.

1. HISTORY: the history of Israel to the year 141 B.C. Outline of the history of Egypt and Babylon, in so far as these bear on the history of Israel. (Two papers.)

2. LITERATURE: the contents and character of the books of the Old Testament and of the following books:—*Ecclesiasticus*; *Maccabees*, I and II; *Esdras*, I and II; *Baruch*; *Tobit*; the additions to *Daniel*. (Two papers.)

3. OLD TESTAMENT THEOLOGY OR HISTORY OF THE HEBREW RELIGION in the post-exilic period. (One paper.)

4. CRITICISM, TEXTUAL, LITERARY, AND HISTORICAL. In this department papers will be set on books, or portions of books, representing all classes of Hebrew Literature, historical, poetic, prophetic, etc. In quantity about fifteen chapters of Hebrew will be required. (Three papers.) The assignment of this work will be arranged with each candidate after consultation with the head of the Old Testament department.

NEW TESTAMENT LANGUAGE AND LITERATURE.

(For Minor omit all marked with an asterisk.)

1. THE LANGUAGE OF THE GREEK NEW TESTAMENT.

(a) A knowledge of the characteristic differences between classical Greek and the *κοινή* or Greek of the New Testament.

Books to be consulted:

*Blass, *Grammar of the Greek New Testament*.

Moulton, *Grammar of the Greek New Testament*, Vol. I.

Deissman, *Bible Studies*, English edition.

*(b) Translations of selections from the Papyri of B.C. 200-150 A.D. The Tebtunis, Oxyrhynchus, Amherst, Grenfell and Hunt *Greek Papyri* may be consulted in the Library. (Two papers for major; one for minor.)

2. HISTORY: Jewish and General History from the time of Alexander the Great to the end of the Second century. (Three papers for major; one for minor.)

3. LITERATURE:

**Book of Daniel*.

The Ethiopic Book of Enoch, edited and translated by Charles.

Apocalypse of Baruch, edited by Charles.

The Wisdom of Solomon, *The Apocryphal Acts and Apocryphal Gospel*, edited by Pick.

Psalms of Solomon, edited by Ryle and James.

R. H. Charles, *Critical History of Doctrine of Future Life in Israel, Judaism and Christianity*.

*Schurer, *Jewish People in the time of Jesus Christ*, Div. II, Vol. III.
James Drummond, *Philo-Judaeus or the Alexandrian Philosophy*.

(Three papers for major; two for minor.)

4. THEOLOGY OF THE NEW TESTAMENT AND HISTORY OF THE APOSTOLIC AGE.

Stevens, *New Testament Theology*.

*Pfleiderer, *Primitive Christianity*, Vols. I and III (Eng. Trans.).

*Weizäcker, *The Apostolic Age*.

McGiffert, *The Apostolic Age*.

(Four papers for major; two for minor.)

5. CRITICISM AND EXEGESIS OF THE GOSPEL ACCORDING TO JOHN,* GALATIANS, EPHESIANS, PHILIPPIANS, COLOSSIANS, HEBREWS.* The Synoptic Problem* and the Johannine question.* (Four papers for major; two for minor.)

Reference books:

Burkitt, *Gospel History and its Transmission*.

Stanton, *The Gospels as Historical Documents*, Vol. II.

Oxford Essays on the Synoptic Problem.

Moffatt, *Introduction to the New Testament*.

Drummond, *Character and Authorship of the Fourth Gospel*.

Bacon, *Introduction to the New Testament*.

Expositor's Greek Testament Commentary on *John, Galatians, Ephesians, Hebrews, Philippians, Colossians*.

Armitage Robinson, *Commentary on Ephesians*.

International Critical Commentary on *Galatians, Ephesians, Philippians, Colossians*.

Kenyon, *Textual Criticism*. (A knowledge of the history of New Testament Textual Criticism is expected.)

II.—SUBJECTS OF STUDY FOR THE DEGREE OF D.S.C.

Course for the Degree of D.Sc. in Chemistry, Biology, and Geology.

Candidates are required to have a thorough knowledge, practical and theoretical, of the subjects in one of the following divisions:

1. CHEMISTRY—one of the following groups:

(a) Inorganic Chemistry.

(b) Organic Chemistry.

(c) Physical and General Chemistry.

(d) Industrial Chemistry.

2. BIOLOGY.—Comparative Anatomy and Physiology, Chemistry of Ferments, Bacteriology, with either of the following groups:

- (a) Research in Vegetable Morphology or Physiology or Ecology.
A practical acquaintance with the Cryptogamic Flora of Canada.
- (b) Animal Physiology and Embryology.
Osteology and Odontography of Vertebrates.
Special Study of Invertebrates (Canadian).
Physiological Chemistry.

A thesis containing original work done in one of these subjects.

3. GEOLOGY. (Standing equivalent to Preliminary Honours in Chemistry and Final Honours in Mineralogy will be required of candidates in this department.)

Either of the following groups may be chosen by a candidate as his major subject, and he will be required to take the other group as a minor subject.

- (a) Dynamical Geology and Petrography.
- (b) Stratigraphical Geology and Palæontology.

The candidate will be expected to show an acquaintance with his minor subject equivalent to Honours in the undergraduate course. An intimate knowledge of the major subject must be shown.

Detailed information may be obtained from the heads of the departments concerned.

SUMMER SCHOOL.

1915.

Chairman of the Committee in Charge.

Professor W. T. MacClement, M.A., D.Sc.

Instructors.

LATIN—Lecturer, A. E. Layng, M.A., LL.D.

FRENCH—Lecturer, J. P. R. Marichal, L-ès-L., B-ès-Sc.

ENGLISH—Professor W. E. McNeill, M.A., Ph.D.

MATHEMATICS—Professor D. Buchanan, M.A. Ph.D.

PHYSICS—Professor J. M. Adams, Ph.D.

CHEMISTRY—Professor W. D. Bonner, M.A., Ph.D.

BOTANY—Professor W. T. MacClement, M.A., D.Sc.

General Announcement.

For six weeks during the summer, Queen's University offers for a small fee instruction in various subjects, as well as the use of its whole educational equipment, including library and laboratories, to all who are interested in improving their scholarship.

The sixth session of the Summer School begins on Monday, July 5, 1915, and closes on Friday, August 13.

Classes will be conducted in Latin, French, English, Mathematics, Physics, Chemistry, and Botany, and also in Animal Biology and Mineralogy if ten students register in each of these. Other classes will be added as the demand for them requires.

Two classes, dealing with selected parts of the first and second years' work are offered in most subjects. By reason of daily lectures and almost individual instruction, the work covered is about half of that done in the corresponding classes of the winter session.

In addition to the regular work there will be three or four lectures each week open to all students in the Summer School.

These lectures will be on subjects of general interest and will be given by members of the Summer School staff, by other professors in the University, and by distinguished persons outside of the University.

Purpose of the Summer School.

The Summer School offers University advantages to those who cannot attend the classes of the regular session.

It affords TEACHERS an opportunity to improve their scholarship in particular lines of study; it assists them in preparing for the Entrance Examination to the Faculty of Education; it gives them a chance to observe methods of teaching and to become acquainted with books and equipment not ordinarily available; and it provides the stimulating companionship of fellow workers.

It affords EXTRA-MURAL students an opportunity to do in the laboratories the practical work required in Science classes and thus enables them to include subjects in their course which otherwise they could not take. Moreover, extra-mural students, not in Specialists' Courses, may satisfy the minimum residence requirements by attendance at four sessions of the Summer School, provided that they take classes in four different departments.

The Summer School besides serving the needs of Teachers and of extra-mural students, is of advantage to intra-mural students who have lost standing through illness or other causes, and to all persons who wish to broaden their knowledge or to spend part of their vacation under cultural influences.

Admission.

No examination is required for admission to the Summer School. The classes are open to all who desire to improve their scholarship or their professional equipment. Those, however, who are candidates for a degree, must satisfy the matriculation requirements before being admitted to the University examinations.

Examinations.

No examinations are held in connection with the Summer School. Students desiring credit for their work must take the

University examinations in April or September. Those who write in the September immediately following their course in the Summer School will be charged the examination fee only; but those who write at a later date must pay both registration and examination fees. See REGULATIONS REGARDING EXAMINATIONS.

Credits.

Extra-mural students who attend four full sessions of the Summer School and take classes in four different departments are considered to have satisfied the one year's minimum residence requirement. *But attendance at the Summer School is not accepted in lieu of any part of the two years' attendance required for Specialists' standing.*

An extra-mural student who takes the work in a Summer class is not required to have tutorial assistance in that class.

No student is allowed to register for more than three classes in the Summer School.

Expenses.

The tuition fee for each student, irrespective of the number of classes taken, is \$20. A student may register and attend classes for any three weeks of the Summer School on payment of \$12.

The cost of living, including board and room, need not exceed \$5 a week. A list of boarding houses will be furnished on application to the Registrar.

The Attractions of Kingston as a Summer School City.

As a locality for a Summer School, Kingston has distinct advantages over most other university cities in America. The prevailing south and west winds from Lake Ontario and the Bay of Quinte make the atmosphere delightfully invigorating; and the temperature, which averages about 10° lower than in other Canadian cities, rarely exceeds 80° F., even in the hottest weather. The shaded streets, the wide campus with its tennis courts, the adjacent parks and esplanade, the sparkling waters of Lake Ontario, make up an environment unsurpassed for either work or play.

The historical associations of Kingston, reaching back to Frontenac and La Salle, who founded the city in 1673, are kept before the visitor by the old Fort with its ramparts, by the Martello Towers, and by the Tête du Pont Barracks. These recall the times when the chief local interests in Canadian life were Indians, furs, and ginseng.

North, east, and west from Kingston lead some of the most attractive and famous excursion routes in America. The rivers, lakes, and islands of the Rideau lead to the beautiful capital city of Ottawa; the Thousand Islands begin in Kingston Harbour and break the blue St. Lawrence into a maze of beautiful channels for forty miles to the east; while the Bay of Quinte bordered with hills, ravines, groves, fertile fields, villages, and towns, stretches as far to the west. Daily excursions make all these readily accessible at very small cost.

The junction of the archean with the sedimentary paleozoic rocks forms the eastern boundary of the city limits, and produces an unusual diversity in the physiography of the adjoining localities. For field studies in Geology, Mineralogy, Botany, and Zoölogy these conditions are eminently favourable, and they are utilized in the weekly excursions.

Further Information.

The ANNOUNCEMENT OF THE SUMMER SCHOOL, containing full details concerning the work offered is published each year about April 1, and is supplied on application.

All inquiries concerning the Summer School should be addressed to the Registrar, Queen's University, Kingston, Ontario.

PART II.

SCHOLARSHIPS, PRIZES, AND MEDALS, 1914-15.

FACULTY OF ARTS.

Scholarships.

Junior Matriculation Scholarships, 1914.

<i>MacLennan Glengarry</i>	Mary Ann C. Bouchard, Alexandria.
<i>Nicholls Foundation No. 2</i>	Hilda Laird, Kingston.
<i>McDowall</i>	C. L. Wood, Kingston.
<i>Nicholls Foundation No. 3</i>	Freda F. Waldon, Hamilton.
<i>Kingston, No. 1</i>	W. G. Cornett, Kingston.
<i>Kingston, No. 2</i>	V. A. Lanos, Kingston.
<i>Marion Stewary Macdonald</i>	J. G. McCrimmon, Williamstown.
<i>Bryan</i>	Chas. H. MacKenzie, High River, Alta.
<i>Sydenham Old Boys</i>	Harold Horning, Sydenham.

Senior Matriculation Scholarships, 1914.

<i>McLaughlin</i>	Lottie Whitton, Renfrew, (with honour of Registrar).
<i>Chancellor</i>	Hannah Timm, Renfrew.
<i>Registrar</i>	Jean B. Ramsay, Woodstock.
<i>Governor-General</i>	C. J. Jeffrey, Ottawa.
<i>Mackerras Memorial</i>	R. S. Rayson, Kingston, (with honour of Williamson No. 1).
<i>Williamson No. 1</i>	J. McClure Givens, Kingston.
<i>Prince of Wales</i>	H. B. Kenner, Stratford.
<i>Watkins</i>	Janet F. Saunders, Kingston.
<i>Williamson No. 2</i>	A. Stinson, Kingston, (with honour of Mayor).
<i>Leitch Memorial No. 1</i>	A. L. Greenlees, Kingston.
<i>Mayor</i>	Rose E. Klinkhamer, Stratford.
<i>Mowat</i>	W. E. Throop, Brockville.
<i>Nicholls Foundation No. 1</i>	Nora C. Guthrie, Renfrew.
<i>Ellen M. Nickle</i>	N. Mitchell, Hamilton.
<i>Forbes McHardy</i>	E. C. McCaig, Kingston.
<i>E. F. Wiser</i>	Mary E. Alkerton, Prescott.
<i>Stephen</i>	William V. Marshall, Sault Ste. Marie.
<i>Bell</i>	Alex. J. McDonell, Sudbury.

Sessional Scholarships, 1915.

<i>New York Alumni Scholarship in</i>	
<i>Animal Biology</i>	C. Gooch, Barrie, Ont.
	J. E. Fraser, Breadalbane, Ont.
<i>Andrew Haydon Scholarship in</i>	
<i>Colonial History</i>	A. E. Allison, Vankleek Hill.
<i>The W. M. O. Lohead Scholarship</i>	
<i>in Political Science</i>	J. H. Talbot, Dorchester.

- The MacLennan Scholarship in Greek* R. S. Rayson, Kingston.
W. A. Irwin, Scotland.
- The M. C. Cameron Scholarship in Gaelic* D. J. McLeod, Victoria Co., N.S.
- The N. F. Dupuis Scholarship in Junior Mathematics* A. E. Allison, Vankleek Hill.

Prizes.

- Professor's Prize in French* Violet Burton, Perth, Ont.
- Roughton Prize in German* Miss Elizabeth McCallum, Kingston.
Miss Stella Dersch, McLeod, Alta.
- The James C. Rogers Prize in English* Miss Lottie Whitton, Renfrew.
- Gowan Foundation No. 1, in Political Science* Not awarded.
- Gowan Foundation No. 2, in Botany* Not awarded.
- Gowan Foundation No. 3, in Political Science* J. T. Flemming, Dauphin, Man.
- The Mary Fraser McLennan Prize in Hebrew* W. J. McFadden, Hamilton, Ont.
- Professor's Prize in English History* J. H. Talbot, Dorchester.
- Professor's Prize in European History* Charles I. Jeffrey, Ottawa.
Miss Elizabeth McCallum, Kingston.
- Professor's Prize in Preliminary Honour History* Miss Winnifred Balfour, Hamilton.
Miss Agnes Mackintosh, Madoc.
- Greer Prize in Preliminary Honour Mathematics* Miss Hannah Timm, Westmeath, Ont.
- Greer Prize in Intermediate Honour Mathematics* Miss Kathleen Rose, Galt, Ont.
- Greer Prize in Final Honour Mathematics, Group A* L. Cruess, Lindsay, Ont.
- John McIntyre Prize in Greek* R. S. Rayson, Kingston.
W. A. Irwin, Scotland.

Medals.

- Latin* Not awarded.
- Greek* Not awarded.
- English* Miss Grace M. Grant, B.A., Williams-town, Ont.
- German* M. Berton Bowes, B.A., Ingersoll, Ont.
- French* Miss Dora Stock, M.A., Tavistock, Ont.
- History* W. A. Mackintosh, Madoc, Ont.
- Mental Philosophy* J. W. North, M.A., Oakland, Man.
- Moral Philosophy* E. V. Forbes, M.A., Truro, N.S.
- Political Science* P. M. Baldwin, M.A., 11 Fifth Ave., Ottawa, Ont.
- Mathematics* A. Woods, M.A., R.R. II, Elmira, Ont.
- Botany* J. R. Sheppard, 60 St. Leger St., Berlin, Ont.
- Animal Biology* Not awarded.
- Chemistry* A. M. Wynne, M.A., 7 Albertus Ave., Toronto, Ont.
- Alexander Gold Medal in German* Miss Agnes McIntosh, Madoc, Ont.

SCHOOL OF MINING.

Scholarships.

- The Chancellor's Practical Science Scholarship* J. W. Greig, Provost, Alta., (with honour of the Dupuis).
The J. B. Carruthers Scholarship G. T. Beeshy, Ottawa, Ont.
The N. F. Dupuis Scholarship T. R. Patterson, Auburn, Ont., (with honour of Carruthers).
The Mowat Scholarship C. B. Dawson, St. Catharines, (with honour of Science '11 Scholarship).
The Science '11 Scholarship J. A. House, Port Dalhousie, Ont.
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FACULTY OF MEDICINE.

Scholarships.

- The New York Alumni Association Scholarship* (\$50) for best examination in Physiology and Histology. Open to students in Arts, Science and Medicine J. E. Fraser.
The N. F. Dupuis Scholarship in second year Chemistry H. Hedden (with honour of New York Alumni and Faculty Scholarships).
The Dean Fowler Scholarship for highest percentage of marks on the work of the third year H. S. Angrove.
The Chancellor's Scholarship for highest percentage of marks on the five-year course D. E. Bell, M.B.

Prizes.

- Faculty Prize in Anatomy* H. Hedden and A. A. Cauley.
Faculty Prize for highest marks on second year examinations in Anatomy, Physiology, Histology, and Chemistry G. H. Clarke.
Faculty Prize for highest percentage of marks on second year examination in Materia Medica H. R. Nicklin.
Faculty Prize for best written and practical examination in third year Pathology W. E. Brown.

Medals.

- Medal in Medicine* R. H. Fisher (with honour of tying with Medalist in Surgery).
Medal in Surgery K. A. Denholm and W. V. Sargent.

FACULTY OF EDUCATION.

Medals.

General and First Advanced Course. Miss Edith Forester, B.A., Bath.
Second Advanced Course Miss Kathleen Wingard, B.A., Morris-
burg.

QUEEN'S THEOLOGICAL COLLEGE.

Scholarships.

Matriculation, October, 1914.

David Strathern Dow J. F. Wedderburn, Glasgow, Scotland.
Buchan No. 1 J. G. Laing, Dundas.
Buchan No. 2 W. J. Scott, Loreburn, Sask.
Buchan No. 3 E. Frank, St. Marys.
Dominion J. S. Cornett, Kingston.

Sessional, April, 1915.

Sarah McClelland Waddell Memorial. J. S. Cornett.
The Chancellor's O. R. Lavers.
William Morris L. M. Flemming.
Rankine No 1 J. G. Laing.
Rankine No. 2 J. D. McCrae.
Spence W. Dobson.
Toronto J. P. McLeod.
Tawse J. M. Laird.
Anderson No. 1 A. B. Morrison.
Anderson No. 2 A. D. Matheson.
Glass Memorial John Mackinnon.
James Anderson Bursary A. B. Morrison.
Mary Fraser McLennan W. J. McFadden.
McIntyre J. P. McLeod.
Queen's Research Travelling L. P. Chambers.
Hugh Waddell Travelling Scholarship. L. A. Muttitt.
St. Andrew's, Toronto S. A. White.

DEGREES, 1913-14.

FACULTY OF ARTS.

September, 1914.

M.A. (Master of Arts).

Bradwin, E. W. Toronto.

B.A. (Bachelor of Arts).

Axford, B. W.	St. Thomas.
Brigginshaw, Mary H.	Toledo, Ont.
Denholm, K. A.	Blenheim.
Fennell, T. H.	Medicine Hat, Alta.
Johnston, W. C.	Lyndhurst.
Kennedy, P. S.	S. Porcupine.
Hughes, T. J.	Toronto.
Lake, Ethel M.	Sydenham.
Lees, C. W.	Peterborough.
McEachen, Agnes (Sr.)	Toronto.
McElwee, Maud T.	Chatham, N.B.
McEachern, Jas. T.	Stayner.
Macfarlane, G. S.	Ottawa.
MacKay, J. I.	Cornwall.
MacLachlan, Christina R.	Burnstown.
MacMillan, Mary F.	Avonmore.
Pomeroy, Gertrude	Toronto

B.A. (Bachelor of Arts).

January, 1915.

Calder, L. R.	Nanaimo, B.C.
Clark, G.	Uxbridge.
Marsh, J. P.	Quebec, Que.
McIntyre, W. G.	Clearwater, Man.
McQuay, J. L.	Foxwarren, Man.
McQuay, R. B.	Foxwarren, Man.
Madden, J. L.	Kingston.
Stitt, J. H.	Smith's Falls.

April, 1915.

M.A. (Master of Arts).

Baldwin, P. M.	Ottawa.
Beeshy, M. I.	Ridgeway.
Flemming, J. T.	Dauphin, Man.
Forbes, E. V.	Truro, N.S.
North, J. W.	Oakland, Man.
Pilgrim, E. W.	Battleford, Sask.
Stock, Dora	Tavistock.
Woods, A.	Elmira.
Wynne, A. M.	Toronto.

B.A. (Bachelor of Arts).

Anglin, Mary R.	Kingston.
Benger, Irene	Port Arthur.
Berry, W. E., M.B.	Robson, B.C.
Bowes, M.	Ingersoll.
Brown, G. W.	Lyn.
Brydon, Lucy	Calgary, Alta.
Burchell, J. E.	Kemptville.
Burry, J. H.	Dundee, Scotland.

Cameron, J. G.	Kingston.
Cameron, M.	
Campbell, Ruth V. G.	Ottawa.
Chown, Bessie A.	Kingston.
Chown, Elizabeth	Kingston.
Clark, Evelyn B.	Bath.
Cochrane, Lilyan L.	Gananoque.
Connell, H. C.	Kingston.
Countryman, J. G.	Chesterville.
Cruess, L.	Lindsay.
Day, F. G.	Orillia.
Dewat, Nora G.	Ottawa.
Dickson, B. T.	Brantford.
Donaldson, H. T.	Millbrook.
Dooher, Helen	Lombardy.
Dowsett, R. E.	Portland.
Dunlop, Irene	Kingston.
Dunlop, J. J.	Williamstown.
Erb, W. O.	New Hamburg.
Erwin, W. M.	Simcoe.
Ferguson, C.	Kingston.
Forbes, J. E.	Truro, N.S.
Forman, Kathleen B.	Granton.
Freeman, N. V.	Inverary.
Fyckes, Jessie D.	Moulinette.
Gemmill, Nellie	Sault Ste. Marie.
Gilbert, R. H.	Vancouver, B.C.
Gilhooly, Beatrice C.	Ottawa.
Gilchrist, J.	Owen Sound.
Goodwin-Sutherland, Margaret	Amherst, N.S.
Govan, Margaret L.	Williamstown.
Graham, C. G. D.	Oakwood.
Graney, Elizabeth S.	St. Thomas.
Grant, Grace M.	Williamstown.
Gray, B.	Komoka.
Greig, E. H.	Arthur.
Guthrie, Ethel R.	Kinburn.
Hale, Mary	Gananoque.
Harkness, H. W.	Cornwall.
Hastings, M.	Toronto.
Hazlett, J. M.	Kingston.
Holmes, W. S.	Saskatoon, Sask.
Howson, B. F.	Arthur.
Hubbs, Maude	Picton.
Husband, Edith P.	Newburg.
Inglis, J. L.	Kemptville.
Irwing, M. G. Naomi	Kingston.
Jackson, J. S.	Glenallen.
Johnston, A.	Kingston.
Johnston, Florence M.	Kingston.
Joyce, W.	Brantford.
Judge, A. E.	Odessa.
Kilgour, Ruby C.	Cornwall.
Kinahan, J. F.	Calgary, Alta.
Knowles, J. H.	Lanark.
Lamont, A. D.	Brussels.
Lamont, J. L.	Brussels.

Lewis, R. E.	Walkerton.
Mabee, H. C.	Kingston.
Maitland, Jessie	Brewers Mills.
Maus, Janet W.	Plattsville.
Milliken, F. S.	Strathroy.
Murton, F. J.	Portsmouth.
McArthur, Jennie B.	Sault Ste. Marie.
McCormick, J. S.	Lacombe, Alta.
McCuaig, Gertrude	Bainsville.
McCullough, J. L.	Toronto.
McDermott, Evelyn	Kingston.
McDonell, D. L.	Lancaster.
Macdougall, Anna	Mitchell.
McFadden, G. F.	Sudbury.
McInnis, J. Alex.	Bognor.
McKelvey, G. F.	Holmfild, Man.
McKenzie, F. D.	Owen Sound.
McKinnon, J. L.	Priceville.
McLachlan, M. B.	Smryna, Turkey.
McLeod, E. Blanche	Kemptville.
McNab, Janet A.	Ottawa.
McQuay, R. B.	Lonsdale.
McTurk, Isabel W.	Lucan.
Nesbitt, Lyla M.	Kingston.
O'Meara, W. P. J.	Ottawa.
O'Neill, Mary M.	Vankleek Hill.
Osborne, Mona	Arnprior.
O'Reilly, Sr. Mary	Kingston.
Pedlow, Olive	Renfrew.
Quinn, J. F.	Kingston.
Rae, M. H.	Port Hope.
Revelle, A. I.	Kingston.
Revelle, I. E.	Kingston.
Reynolds, Myrtle V.	London.
Rielly, B. I.	Kingston.
Roach, D. J.	Sault Ste. Marie.
Robb, E. R.	Quinter, Kan.
Rogers, Jennie B.	Kingston.
Russell, J. T. H.	Delta.
Schofield, Flora M.	Kingston.
Shaw, A. M.	Lansdowne.
Shaw, Annie B.	Weyburn, Sask.
Shurtleff, W. M.	Kingston.
Singleton, J. M.	Soperton.
Sly, Wilhelmina	Elgin.
Spankie, H. L.	Wolfe Island.
Steen, J. B.	Morewood.
Steers, H. G.	Kingston.
Struthers, A. J.	Brantford.
Suruda, N.	Vancouver, B.C.
Third, T. W.	Campbellford.
Tobin, Sr. Mary	London.
Toole, Janet Irene	Gananoque.
Tovell, Alene M.	Sydenham.
Tudhope, H. H.	Parry Sound.
Warren, Violet	Almonte.
Wells, H. F.	Kingston.

Whyte, C. B.	Edmonton, Alta.
Wilby, W. J.	Victoria, B.C.
Wilson, E. V.	Kingston.
Wilson, J. J.	Rockwood.
Wormwith, Mildred A.	Kingston.
Wright, C. W.	Vancouver, B.C.

SCHOOL OF MINING.

September, 1914.

B.Sc. (Bachelor of Science).

Patton, J. H.	Ottawa.
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January, 1915.

Baker, E. A.	Collins Bay.
Bick, A. H.	Ottawa.
Bonham, J. C.	Jerseyville.
Browne, E. F.	Ottawa.
Dunsmore, R. L.	St. Thomas.
Earle, W. S.	Picton.
Earnshaw, P.	Almonte.
Farrell, J. W. D.	Moosomin, Sask.
Fournier, J. A.	Sudbury.
McCartney, N.	Kingston.
MacRae, A. E.	Avonmore.
Noonan, W. F.	Elgin.
Patterson, G. B.	London.
Stewart, N. G.	Renfrew.

April, 1915.

Diplomas.

Mining Engineering.

Craig, H. C.	St. Catharines.
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Civil Engineering.

Joslyn, C. E.	Sintaluta, Sask.
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B.Sc. (Bachelor of Science).

Mining and Metallurgical Engineering.

Patterson, R. P., B.A.	Newburgh.
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Civil Engineering.

Allan, F. M.	Ottawa.
Browne, D. G.	Mount Clair, N.J.
Cook, W. S.	Ottawa.
Johnston, K. P.	Napanee (with honours).
McNally, H. A.	Westport.
Prowse, S. E.	Aylmer.
Putman, C. V.	Ottawa.

Racknor, E.	Princetown.
Robbins, C. A.	Brantford.
Robinson, E. K.	Kingston.
Shiels, M. S.	Cleveland, O.
Smith, G. J., B.A.	Kingston (with honours).
Van Patter, H. S.	Aylmer W. (with honours).
Walton, C. G.	Brockville.
Wilkinson, J. B.	Springfield, N.B.

Mineralogy and Geology.

Marshall, J. R.	Ottawa.
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Mechanical Engineering.

Smith, R. T.	Sudbury.
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Electrical Engineering.

Charters, D. E.	Napanee.
Johnston, W. J.	Stoco, Ont.
Nixon, N. J.	Fraser Ridge, P.E.I.
Platt, B. C.	Cobourg.
Skinner, P. E.	Keene.

FACULTY OF MEDICINE.

M.D., C.M. (Doctor of Medicine and Master of Surgery).

September, 1914.

Burden, F. W., M.B.	St. John's, Nfld.
Lafrancoise, J. M., M.B.	Ottawa.

M.B. (Bachelor of Medicine).

Connel, W. S. T.	Kingston.
Kane, A. C.	Kingston.
Ligouri, C. C.	Port-of-Spain, Trinidad.
Saunders, J. W.	Georgetown, B.G.

April, 1915.

M.D., C.M. (Doctor of Medicine and Master of Surgery).

Bell, D. E., M.B.	Kingston.
Carmichael, J., B.A.	Collingwood.
Collier, R. D., M.B.	Pictou.
Denholm, K. A., B.A.	Blenheim.
Dobbie, J. A., B.A., M.B.	Ottawa.
Edwards, W. V., B.A.	Souris, Man.
Filson, R. M., B.A.	Kingston.
Halkett, N. M., B.A., M.B.	Kingston.
Kidd, C. B., M.B.	Ashton.
MacDougal, L. M., M.A., M.B.	Brooklyn, N.Y.
McKendry, I. R., M.B.	South Gower.
McLachlan, P. M., M.B.	Lochaber Bay, Que.

McQuay, R. W., M.B.	Fox Warren, Man.
O'Connor, F. X., M.B.	Kingston.
Smith, M. T., M.B.	Carleton Place.

M.B. (Bachelor of Medicine).

Boyce, G. T. G.	Georgetown, B.G.
Burnham, S. E.	Port Hope.
Calnek, S. H.	Kingston, Jamaica, B.W.I.
Campbell, A. H.	Welwyn, Sask.
Coglon, M. F.	Clarinda, Alta.
Delaney, T. F.	Jockvale.
Donovan, C. R.	Brockville.
Doyle, J. F.	Kingston.
Fisher, R. H.	London.
Hagyard, H. C.	Milton.
Henry, G. A.	St. Catharines.
Hooper, Geo.	Kingston.
Kemp, J. H.	Rochester, N.Y.
Kennedy, D. L.	Portsmouth.
Leeds, J. H.	Galt.
Little, Thos.	Kingston.
Livingstone, D. M.	Collingwood.
Martin, S. H.	St. John's, Nfld.
Matheson, D. C.	Dalhousie Mills.
Nixon, L. W.	Richmond.
Plews, T. V.	Cobourg.
Preston, G. J.	Savannah-La-Mar, Jamaica, B.W.I.
Preston, H. F.	Kerr Robert, Sask.
Proffitt, T. D.	New Amsterdam, B.G.
Sargent, W. V.	Kingston.
Stackhouse, W. R.	Blyth.
Waite, C. B.	Port Hope.

Degree of M.B. Granted for Overseas Service.

Box, J. H.	Calabogie.
Brown, W. J. B.	Bonavista, Nfld.
Burwell, G. B., B.A.	Renfrew.
Clark, W. F.	Durham, N.S.
Coulter, J. W.	Chatham.
Cronk, G. S.	Parham.
de Beaupre, E. J.	Kingston.
Diamond, F. W.	Belleville.
Fisher, J. H.	Kingston.
Grace, N. M.	Renfrew.
Howson, A. G.	Peterboro.
Jarman, H. L.	Bancroft.
Macfarlane, D. A.	Bristol, Que.
MacKinnon, K. L.	Renfrew.
McKenzie, Hector	Port Albert.
Millan, K. E.	Kingston.
Murray, H. G.	Herkimer, N.Y.
Ryan, J. F.	Newburgh.
Stewart, J. S.	Orillia.
Van Luven, Otto	Battersea.
Ward, E. F. G.	Peterboro.
Williams, J. V.	Iroquois.
Whytock, H. W., B.A.	Madoc.

FACULTY OF EDUCATION

December, 1914.

B. Paed. (Bachelor of Pedagogy).

Norris, J. C., M.A.....North Bay.

QUEEN'S THEOLOGICAL COLLEGE.

April, 1915.

Bachelors of Divinity.

Chambers, L. P., M.A.....Bardizag, Turkey.
White, S. A., M.A.....Barrie.
Muttitt, L. A., M.A.....Vancouver, B.C.
Mackinnon, J., M.A.East Lake Ainslie, Cape
Breton, N.S.
Wilson, A. L., B.A.Buffalo, N.Y.

Testamurs.

Chambers, L. P., M.A.
White, S. A., M.A.....
Muttitt, L. A., M.A.....
Mackinnon, J., M.A.
Wilson, A. J., B.A.
Matheson, A. D., M.A.
Dobson, W., B.A.
Caswell, J. T.

HONORARY DEGREES.

LL.D. (Doctor of Laws).

Thornton, Dr. R. S.....Deloraine, Man.
Foster, Sir Geo. E., K.C.M.G.....Ottawa.

PASS LISTS.

FACULTY OF ARTS.

Supplemental Examinations, September, 1914.

Hebrew, Junior.—Div. I—Ferguson, C.

Latin, Junior.—Div. II—Gould, F. M., Mangan, Mary F., Eakins, Beatrice, equal.

Div. III—French, W. E., Hanna, Lloyd M., Bradwin, E. W., equal; McLean, Regina, Lewis, A. J., Erwin, J. H., Hamilton, Julia M., Jackson, Norma, Hollingshead, Frank, equal; Murphy, Lucy, McCormick, J. S., equal; Whitehead, A., McQuay, R. B., Skinner, Katie E., equal.

Latin, Senior.—Div. I—Cameron, James G.; Curtis, J. T.; Vallentyne, H. J.
Div. II—Hyland, W. J. C., Fennell, G. H., Pomeroy, Gertrude, Lees, C. W., O'Reilly, Sister M., Smith, Mary, McKinnon, J. L., equal; Hooper, Ethel, Halfpenny, D. M., equal; Dawson, Helen, Cameron, J. S., Finlayson, John A., Wright, Charles W., equal.

Div. III—Bradwin, E. W., Medcof, W. T., Anderson, Mabel, Rogers, M. E. Vera, Murray, John, Hughes, T. J., Tudhope, H. H., Stephen, Fred. U., equal; McIntosh, A.; Joyce, Walter; Pilgrim, E. W., Sinclair, Peter, McIlbraith, D. A., Cornish, F. C., Coley, Clarice E., equal; Clark, Evelyn, Johnson, Margaret, Coley, A. F., equal.

French, Junior.—Div. II—Greig, E. H.; McDowell, Jane; Gould, F. M.; Lonsberry, P. J.; Ferguson, C.

Div. III—Curtis, J. F., McMahon, Laura, equal; Harrop, E. Grace; Scott, R. M.; Judge, A. E.; O'Reilly, F. A.; Parker, Eva; Cattanaach, J. A.; Sutherland, J. W.; Macdonald, Helen; Linton, G., Martyn, F. G., equal; Scanlan, T. V., Armstrong, H. E., equal; Edwards, J. W., Cowan, D. R., Skene, J. B., equal; Killins, Mabel, Halfpenny, D. M., Hollingshead, F. N., Hyland, W. J., equal.

French, Senior.—Div. I—Freeman, N. V.; Wright, C. W.; Cameron, J. G.

Div. II—Revelle, Sarah; Clark, Evelyn; Bradwin, E. W.

Div. III—Argue, Laura; Sly, Wilhelmina; O'Reilly, J. J.; McElwee, Sister Maud, equal; Bayne, G. F.; Hooper, Ethel, Stewart, Grace, equal; Scott, C. C., Anderson, Mabel, equal; Johnson, Nettie; Melville, E., McMillan, Mary, equal.

Greek, Junior.—Div. II—Wilson, J. J.; Fletcher, E. H.

Greek, Senior.—Div. III—Johnson, W. C.; Oxford, B. W.; Dewar, Nora, McIntosh, A., equal; Macfarlane, G. F.; Gilhooly, Beatrice; Shannon, Hugh, Graham, C. G., equal.

German, Junior.—Div. III—Hamilton, Julia M.; Thompson, W. R.

German, Senior.—Div. III—Johnson, M. Jean; Fraser, Frances H. G.

English, Junior.—Div. II—Howett, C.; Eakins, Beatrice; Biggs, E. S.; Argue, Laura; Murphy, Lucy; Cameron, J. A., Kelly, Beatrice, equal; Hollingshead, F. N.; Jackson, Norma; McDowell, Jane; Rogers, M. E. Vera.

Div. III—O'Reilly, F. A.; Erwin, J. H.; Carty, J. J.; Robb, J. A. M.; Holdcroft, W. P. R.; Parker, Eva.

English, Senior.—Div. I—Curtis, J. T.; Cavell, H. E., Cameron, J. G., equal; Hartford, J. J.

Div. II—McEachen, Agnes, McNeil, Sister Mary, equal; Fletcher, E. H.; Grainger, Luella, Hyland, W. J. C., Shaw, Bertha M. C., Wright, C. W., equal; O'Neill, W. J., Tracy, W. R., equal; McMahon, Laura; Mitchell, W. M.; McKenzie, W. J.

Div. III—Armstrong, H. E., Gale, J. A., Hamilton, Grace A., Harrop, Esther, Lamont, A. D., equal; Mangan, Mary, Reid, T. A., Ryder, Laura, equal; Putman, C. E.; Boulton, William, Johnson, Nettie, McNab, Mary, equal; Coley, Clarice, Edwards, J. W., Smeltzer, J. H., equal; Howie, J. R., Murray, John, equal; Hughes, Laura; Bernard, R. H., Robinson, C. A., Naughton, Nellie, equal.

History, Colonial.—Div. I—Quinn, J. F.; Sutherland, D. A.; Leacock, Mary I.
Div. II—Knowles, J. H.

History, English.—Div. I—Oates, T. W.; Cowie, J. E.

Div. II—Gould, F. M.; Burchell, J. E., Dunn, Annie L., Leacock, Mary I., Maxwell, Florence, equal; Lamont, A. D.

Div. III—McGuire, Margaret; Coley, A. F., Eliot, W. S., Edwards, J. W., Wilson, Emily, equal; Briggenshaw, Mary H., Melville, E., Skinner, Katie E., Urlin, W. R., equal.

History, European.—Div. I—Ferguson, Claude.

Div. II—Martin, Elizabeth; Harrop, Esther G., O'Neill, M. J., equal.

Div. III—Melvin, Libbie H., Dancey, P., equal; Musselman, Mrs. F. E., Fortune, Agnes E., equal; Ferguson, Evalena, McGuire, Adam, equal; McIntosh, Catharine.

History, Greek.—Div. II—Evans, J. J.

Philosophy, Mental.—Div. I—Ferguson, Claude; Eadie, W. M.

Div. II—Kinahan, J. F.; Hannah, W. I.; Cowie, J. E.; Gould, F. M.; Roney, Dorothy; Greig, E. H.; Sager, W., Stock, Dora, equal; Johnson, Jean.

Div. III—Fortune, Agnes; Bogart, Flossie; Ramsay, J. A.; Freeman, N. V.; Mitchell, W. M.; Parkhill, D., MacLachlan, J. K., equal.

Philosophy, Moral.—Div. I—McGuire, Adam; Hannah, W. F.

Div. II—Clement, W. J.; McEachen, Agnes; Bernard, R. H.; Speers, W. H.; Muckle, J. E.; Nesbitt, Lyla M., Smeltzer, J. H., equal; Hale, May E.; Briggenshaw, Mary H.

Politics.—Div. I—McCullough, J.; Duncan, J. S.

Div. II—MacLennan, C. R.; Gould, F. M.; Govan, Margaret; Tobin, Sister Mary, Traves, Luella, equal; Sly, Wilhelmina; Munro, E. C., McInnis, J. A., equal.

Div. III—McGill, Eva.

Economics.—Div. II—Sager, W.; Theriault, Theresa; McInnis, J. A.; Ramsay, J. A.; Ferguson, C.

Div. III—Shaw, J.; Marsh, J. P.; Bloomberg, Marguerite; Lake, Ethel; Mackay, J. I.; McIlraith, D. A., Hale, Mary, equal.

Mathematics, Junior.—Div. I—O'Neill, M. J.; Fleming, H. R.

Div. II—Carty, J. J.

Div. III—Steers, H. G.; Sillers, Annie; McGillicuddy, Margaret, Smith, Mary, equal; Nesbitt, Lyla M.; McLean, Regina, Hamilton, Julia M., equal; Gourley, Mildred; Boucher, L. E.; Jackson, Norma G.; Mangan, Mary F., Hill, H. F., equal.

Mathematics, Senior.—Div. I—Mitchell, W. M.; Eadie, W. M.; McCullough, R. C.
Div. III—Revelle, Sarah E.

Physics, Junior.—Div. I—O'Neill, T. V.
Div. II—Scanlan, T. V.; Bissell, R. P.; Kennedy, P. S., equal.
Div. III—Hamilton, Grace; Howie, J. R.; Stephen, F. N.; Hollingshead, F. N., Whalley, Muriel, equal; Boucher, L. E.

Physics, Senior.—Div. II—Eadie, W. M.; O'Neill, M. J.; Burchell, J. E.; Wilby, W. J.
Div. III—MacLennan, J. C.; Downs, W. P.

Botany.—Div. I—Cunningham, J. A.; Wilby, W. J.; Loucks, H.; Hague, Hilda; Anglin, Mary, Wert, Dorothy, equal; Grainger, Luella, Ionson, Margaret, Cavell, E., equal.
Div. II—Ugnow, R. H. S.; Shaw, Annie B.; Beatty, A. J.; McEachern, J., Macdougall, Mamie, Entwistle, R. G., equal; Parker, Eva.
Div. III—McGuire, Sister Margaret; Roney, Dorothy; Abernethy, Flora; Boulton, W.

Animal Biology.—Div. II—Bissell, R. P.; Shaw, Annie B.; McCullough, J. L., Cunningham, J. A., equal; Cameron, J. A.; Wilby, W. J.; Fleming, Lula; Eadie, W., Scanlon, T. V., equal; Argue, Laura; Carty, J. J.; Wert, Dorothy; McDougall, Mamie V.; McDowell, Jane.
Div. III—Creighton, T. M.; Wilkie, Ada; Kennedy, P. S.; Simmons, J. R., Ugnow, R. H. L., equal; Valentyne, H. J.; O'Neill, M. J.; Ferguson, Evalena, Armstrong, H. E., equal.

Chemistry, Junior.—Div. I—Cunningham, J. A.; McLachlan, Chrissie; Hastings, M.; Parkhill, D.
Div. II—Grainger, Luella; Beatty, A. J.
Div. III—Kearns, W. P.; Erwin, J. H.

Chemistry, Senior.—Div. III—Clark; Wilby, W. J.; Freeman, N. V.

Geology.—Div. II—Burchell, J. E.; Loucks, H., Dunn, Annie L. Sister, equal; Theriault, Theresa E.; MacLennan, C. R. F.
Div. III—MacGregor, Irene S.; Shaw, Jas.; McLean, D. H.; Erwin, W. M.

Matriculation Examinations, January, 1915.

Latis, Préparatory.—Div. I—Allison, A. E.
Div. II—Coward, G.; Bond, Annie.
Div. III—Houghton, C.; Wilson, H. S., Harkness, H. W., equal; Ferguson, Katherine, Lawler, A. B., equal; Staley, A. B.; Bradshaw, Phyllis; Coon, Eva; Blakey, E. J.; Harvey, J. E.; Hutchison, D.

Greek, Preparatory.—Div. I—Moore, F. N.
Div. II—Allen, Vera, Curtin, Gertrude, equal; Coley, A. F.; Cumming, L. R.; Harkness, H. W.; Arnott, Audrey.
Div. III—McQuarrie, D.; MacDonell, M. J.; Armstrong, Emily.

German, Preparatory.—Div. I—Clinton, Myrtle; McPhail, Mary, Percival, Ella E., equal; Bouchard, Cecilia.
Div. II—McMaster, Maude H.; Harvey, J. E.
Div. III—Roberts, Mabel.

French, Preparatory.—Div. I—Wilder, Ethel; Bond, Annie; Bailey, D. L.
Div. II—Lawler, A. B.; MacNabb, Katherine; Hutchison, D.; Hamblin, Grace; Houghton, C. W.; Appleby, L. H.
Div. III—Coon, H. A.; Traves, Luella; O'Neill, M. I.; Elmer, Grace, Houston, J. F., equal; McGhie, B. T.

Sessional Examinations, April, 1915.

PASS CLASSES.

Latin, Preparatory.—Shaver, A. J.; Fraser, A. C.; Cooney, J. J.; Smith, L. H.

Latin, Junior.—Div. I—Laird, Hilda C.; McLean, Lena D.; Lanos, V. A.; Holland, Catherine N.; MacDonell, M. J.; Allison, A. E., Clough, Elsie, equal; Cornett, W. G., Harkness, H. W., Scott, R. W., Bouchard, Mary A. C., Morris, S. O., equal.

Div. II—Clinton, Myrtle J., Dempsey, E. J., equal; Wood, C. L., Meng, L. H., Lonsberry, D. J., equal; Fraser, Jessie, D., McKercher, S.; Singleton, Eleda, Taylor, K. E., equal; Boyd, A. A., Cormack, Jean H., Hanlon, Agnes G., McLeod, H. A., equal; Telford, Viola; Countryman, Hazel B., McKerracher, L. G., equal; James, D. S., Third, J. R., equal; Aylesworth, J., Leavine, S., McQuarrie, J. H., Pitt, W. W., Wilder, Ethel, G., equal; James, H. R.; Macarow, P. D., Pierce, Mildred H., equal; Campbell, Jessie H., Ellis, E. J., MacDonald, Jessie H., Sauriol, J. L. E., equal; Lake, Marjorie; Bridgman, Norma E., Dennison, N. M., Hutchison, D., Rankin, W. E., equal.

Div. III—Roszell, M. E.; Bradshaw, Phyllis, Creighton, Phyllis, MacTavish, Miriam, Mohr, C. B., Ruddick, Helen, equal; Brown, Hilda M., Fraser, Myrtle B., Johnston, J. M., equal; Hood, F., McQuarrie, D., Morgenroth, K., equal; Ball, R. J., Mowat, H. A., Houghton, C., equal; Mullin, Marguerite; Gardiner, A. B., Hay, J. C., Stickney, E.; Helvise, equal; Hamm, C. F., McCallum, D. N., equal; Wilson, H. S., Coon, Eva, equal; Nelson, S. B., Emery, G. A. R., MacLachlan, J. K., equal; Muselman, F. E., Miller, Cecilia, Lyon, Elsie, equal; Dersch, Stella; Simpson, R. S., Arrol, E. B., Bond, Annie M., McMahon, Laura M., Murray, George, Ralph, F. Kathleen, equal.

Latin, Senior.—Div. I—MacCallum, Elizabeth; Irwin, W. A.; Klinkhamer, Rose E., McNabb, Janet A., Shaw, Annie B., equal; Saunders, Janet F., Stinson, A., equal; Rayson, R. S.; Whitton, Lottie; Donaldson, A., Jeffrey, C. L., equal; Moore, F. N., Richardson, R. P., equal; Howard, W., Mabee, D. M., equal.

Div. II—MacCallum, H. R.; Davidson, R. G., McDonell, A. J., equal; McKee, C. W.; Armstrong, Emily; Judge, A. E., McCaig, E. C., Powell, Alice, equal; Arnott, Audrey; Erb, M.; Castleman, Hilda V., McMaster, Maud H., Powell, Mabel, Wingard, Marjorie R., equal; Curtin, Gertrude M.; Fleming, Lulu; Girven, Margaret.

Div. III—Campbell, Ruth V. G., Farrell, Elizabeth J., equal; Speers, W. H., Wood, Margaret, equal; Fleming, H. R., McCormick, J. S., O'Reilly, E. L., equal; Lewis, Marjorie B.; Cliffe, H. P.; Johnston, Margaret, Mars, W. J., equal; Connal, P., Knapp, F. D., O'Meara, W. P. J., Osborne, Mona, equal; Beers, Annie; Talbot, J. H.; Allen, Vera, McCullagh, J. L., Saylor, M. Jane, Wilson, Emily, equal; Cattanach, J. A., Clark, Olive M., Cruickshank, Margaret C., Fair, Flora A., Fraser, Enid, Husband, Edith P., McCulloch, Myrtle, McNabb, Mary, Stewart, Grace, equal.

Greek, Preparatory.—Div. I—Costin, Carrie; McKee, C. W.

Div. II—Macdonald, Helen.

Div. III—McMahon, Laura; Fraser, A. C.

Greek, Junior.—Div. I—Cornet, W. J.; Moore, Frederick A.

Div. II—Irwin, Naomi; McCormick, J. S.; Connal, Peter; Harkness, H. W.; McDonald, Jessie H.

Div. III—Arrol, Edward B.; Rose, J. L.; Allen, Vera; McQuarrie, D.; Coley, A. F.; Curtin, Gertrude, M.; Mowat, H. A.

Greek, Senior.—Div. I—Rayson, R. S.; Irwin, W. A.; Taylor, K.; Wingard, Marjorie R.

Div. II—Donaldson, A.; Erb, M.; Wilson, J. J.; Castleman, Hilda V.

Div. III—Osborne, W. A.; Murray, J.; Fraser, W. G. B.; Naughton, Nellie; Murray, G.; Tudhope, H. H.

Hebrew, Junior.—Div. I—McFadden, W. J.; Stewart, M. F.; Black, J. J.

Div. II—Milliken, F. S.

Div. III—Gale, J. A.; Fraser, W. G. B.; Graham, C. G.

Hebrew, Senior.—Div. I—Ferguson, C. A.

Div. III—Shannon, H.

German, Preparatory.—Div. II—Bennie, J. A.; McQuarrie, D.

Div. III—Powell, J. A.

German, Junior.—Div. I—Laird, Hilda; Lanos, V. A.; Knecktel, E. A.; Fraser, Jessie.

Div. II—Clough, Elsie; Third, J. R.; Clinton, Myrtle; Bouchard, Cecilia; Percival, Ella; MacMaster, Maud.

Div. III—MacPhail, Mary! Jackson, J. S. (List incomplete).

German, Senior.—Div. I—Dersch, Stella, MacCallum, Elizabeth, equal; Reilly, B. I., Moore, H. W., equal; Klinkhammer, Rose E., McCaig, M. C., Stinson, A., equal; Macpherson, Mary K.; Whitton, Lottie; Powell, Mabel; Harrop, Esther G.

Div. II—Chown, Olive; Powell, Alice; Fair, Flora, Percival, Mary L., equal.

Div. III—Bridgman, Norma E., Hanlon, Agnes G., Lewis, Marjorie B., equal; Wilson, Emily M.; Hale, Mary E.; Hooper, Ethel S. J.

French, Preparatory.—Campsall, E. G.; Howell, H. N.

French, Junior.—Div. I—Bouchard, Mary; Kirkconnell, T. W.; Lanos, V. A.; Laird, Hilda; Allison, A. E.; Wood, C. L.; Sauriol, J. L. E.; McLean, Lena; Barbar, G. F.; McQuarrie, J. H.; Morrow, Consuelo; Chapin, H. E., Knox, H. C., equal; Morris, S. O.; Dempsey, E. J.

Div. II—Clinton, Myrtle, Tuttle, J. L., equal; Cormack, Jean, Craig, H. G., equal; McLeod, H. A.; Holland, Catherine; Ruddick, Helen; James, D. S.; Hamilton, Julia, Brown, Hilda, Percival, Ella, equal; Timm, Hannah; MacDonnell, M. J.; Gourley, Mildred; Dennison, N. M.; Creighton, Phyllis, MacDonald, Jessie, Cross, Edith, Macarow, P. D., Johnston, Mabel, equal; Wilby, W. J.; Singleton, Eleda, Roberts, Mabel, Cook, Violet, Miller, Cecilia, equal; McNabb, Katherine, Pitt, W. W., Davidson, R. G., equal; Wilder, Ethel, Emery, Z. A. R., Telford, Viola, McCallum, V. U., Mohr, C. B., Clough, Elsie, Rankin, W. E., Balfour, H. E., Kaulbach, Lenore, equal.

Div. III—McNabb, Mary, Pierce, Mildred, equal; Gilchrist, J., Wright, C. A., equal; Dersch, Stella; Blakey, E. J., Gilpin, T. J., equal; Smith, L. H.; Hutchison, D., Hoy, J., equal; Elliott, W. L.; Coward, G., McKee, C. H., equal Leggett, Hilda, McDougall, Harriette, McKercher, S. M., equal; Countryman, Hazel, Hamilton, F., Sillers, Annie, Ferguson, Katharine, equal; Bond, Annie, Fraser, Myrtle, MacTavish, Marion, equal; Flanagan, G. E., MacPherson, Pearle, equal; Ross, Edith; Johnston, J. M., Lawler, A. B., Corbett, R. F., Cooney, J. J., Maitland, R. A., Horning, H. R., Sellers, C. E., Leavine, S. F., Coon, Eva, Elmer, Grace, McKercher, L. M., equal; Steen, J.

French, Senior.—Div. I—Burton, Violet; Whitton, Lottie; MacCallum, H. R., Powell, Mabel, equal; Stinson, A., Vessot, Nelida, equal; Klinkhamer, Rose; Givens, J. McL., Saunders, Janet, equal; Conway, Irene S.

Div. II—McCaig, E. C., Maus, Janet W., equal; Oatway, G. A.; Fraser, Jessie D.; Moore, F. N.; Cowell, Alice; Donnelley, Mina, Folger, H. P., Wingard, Marjorie, equal; Greenlees, A. L.; Girven, Margaret; Ferguson, C., Walsh, W. A., equal; Garrison, Elda M., Ionson, Margaret, Musselman, Fanny E., Spankie, H. L., equal; Costin, Carrie, Hanley, J. S., Nicholas, A. P., equal; Armstrong, Emily, Arnott, Audrey, Countryman, J. G., MacPhail, Mary, equal.

Div. III—Farrell, Elizabeth J., Judge, A. E., Lyon, Elsie, Kenner, H. B., equal; Fleming, K. R.; Briggs, E. S.; Bole, Abbie, Bolton, F. R.; Curtin, Gertrude, Johnston, Margaret, McMaster, Maud, equal; Castleman, Hilda V., Mullin, Marguerite, equal; Hill, S. T., Hughes, Laura M., equal; MacArthur, Jessie B.; McMahon, Laura; McCullough, Myrtle; Zacks, M.; MacDonald, Helen G., McNeil, Mary, Mars, W. J., equal; Fraser, Enid, Truscott, Irene, equal; Chown, Dorothy, Cruickshank, Margaret, Sayler, M., Janet, equal; Abernethy, Hazel L., Finlayson, J. A., Powell, J. A., Wilson, J. J., equal.

English, Junior.—Div. I—McLeod, H. A.; Laird, Hilda C.; Cornett, W. G., Clinton, Myrtle, equal; Wood, C. L.; Johnston, J. M.; McLean, Lena D., Arnold, Eleanor, equal; Clough, Elsie, Bouchard, Mary A. C., Wilder, Ethel, Holland, Catherine N., equal; Brown, W. T.

Div. II—Countryman, Hazel B., McGuire, A. W., equal; McDonell, A. J.; Goodwillie, C. A.; Emery, G. A. R.; Aylesworth, J. B., Creighton, Phyllis Ogilvie, Stewart, Jessie, Hutchison, David, James, D. S., equal; McKerracher, L. W., Telford, Viola, Lanos, V. A., Morris, S. O., equal; McQuarrie, J. H., Macarow, P. D., Meng, L. N., equal; MacTavish, A. Miriam, Ruddick, Helen, equal; Pitt, W. W., MacDonell, M. J., equal; McQuarrie, D.; Merriman, R. O., Brown, Hilda M., Leavine, S. F., Singleton, Eleda, equal; McDougall, Harriette H., Nelson, S. B., Pierce, Mildred H., Ferguson, Katharine, equal; Campbell, Jessie H., Hamm, C. F., Rankin, W. E., Zacharion, Anastasia, equal; McCall, Bella, Elmer, Grace M., equal; Gardiner, A. B.

Div. III—Percival, Ella E., Hanlon, Agnes G., equal; Paris, R. C., French, W. E., Sexsmith, E. B., Third, J. R., Dennison, N. M., Fraser, D. G., equal; Bonsfield, C. E., Stickney, Heloise, equal; Morgenroth, K. G., Boyd, A. A., Derick, L. H., equal; Kirby, G. H., Wilson, H. S., Landon, Letitia E., Miller, Cecilia, equal; Hay, J. C., Lawler, A. B., Bradshaw, Phyllis, equal; Carroll, W. J.; Staley, E. J., McCallum, D. N., Fraser, Myrtle B., equal; Coward, G.; Campsall, E. G.; Houghton, C. W., Sauriol, J. L. E., Harvey, J. E., equal; Fraser, A. C.; Macdonald, Jessie H.; Yule, L. B., McLean, Regina, equal; Hamilton, F. C., McFadden, J. F., equal.

English, Senior.—Div. I—Whitton, Lottie; Jeffrey, C. L.; Burton, Violet; Dyde, Jessie; Knox, H. C.; Fraser, Jessie; Richardson, R. P.

Div. II—Trace, C. M.; Graham, Annie; McKercher, S., Folger, H. P., equal; Cooke, Violet; Garrison, Elda M., MacPhail, Mary, equal; Chown, W. F., Dempsey, E. J., Rayson, R. S., Talbot, J. H., Taylor, K., equal; Cormack, Jean, Ellis, E. J., Knechtel, E. A., equal; Davidson, R. G.; Musselman, F. E., equal; Brown, R. G., Costain, H. H., Farrell, Eliz. I., Kelly, Bessie A., Macdonald Helen, Osborne, W. A., Timm, Hannah, Wilby, W. J., equal; Branion, J. H., Clapp, Berenice, Scott, C. W., Stewart, Grace, Vessot, Melida, Walsh, W. A., equal; Curtin, Gertrude, Kenner, H. B., Saunders, Janet F., equal; Givens, J. McC., Murray, J., equal; Powell, Mabel; McMaster, Maud, Wood, Margaret, equal; Caldwell, H. G., Fraser, Enid, equal.

Div. III—Johnston, Margaret, Kelly, Faustina, Riddell, J. R., equal; Dersch, Stella, Douglas, A. C., Gray, B., equal; Cliffe, H. P., Hastings, M., Hill, S. T., Moore, F. N., Scott, R. M., equal; Mabee, D. M., Truscott, Irene, equal; Armstrong, Emily, Arnott, Audrey, Coon, Eva, Cross, D. Edith, Cruickshank, Margaret, Cumberland, R. W., Girven, Margaret, James, H. R., Klinkhamer, Rose E., Lyon, Elsie, Shearer, Mary, Strader, J. W., Sutherland, J. W., equal; Zacks, M.; Hamilton, G. H., Moore, H. W., Stinson, A., equal; Chown, Dorothy, Curtin, Kathleen, Hooper, Ethel, S. J., Lewis, Marjorie B., Little, J., McDougall, P. A., McKee, C. W., Neil, Edna, Powell, Alice, Balfour, H. E., Ball, W. N., Baxter, Helen F., MacKinnon, R., O'Reilly, E. L., Walsh, Muriel B., equal; Arrol, Edward B., Hamilton, Julia, Mohr, C. B., Tamblin, W. J., equal; Connal, P., Latour, N., MacArthur, Jessie B., equal; Anderson, Mabel, Edwards, H. L., Lawr, M., equal; Bridgman, Norma F., Chapin, H. E., Greenlees, A. L., MacGregor, J. A., McNabb, Katherine, equal; Abernethy, H. L., Eby, Bessie, Fairbairn, C. W., Ferguson, Evalena, Johnson, Jean M., Shortt, George, equal; Allen, Vera, Erwin, W. M., Finlay, Vera, Latimer, F. C., Ross, Edith, White, H. C., equal.

English History.—Div. I—Talbot, J. H.; Whitton, Lottie; Chown, Elizabeth; James, H. R.; Cumberland, R. W., MacLeod, Blanche, equal; O'Reilly, E. L.; Hague, Hilda L., McKelvey, G. F., equal.

Div. II—Davidson, R. G.; Anglin, Mary R., Biggs, E. S., equal; MacDougall, Florence, Macpherson, Mary K., equal; Brethen, C. B.; McDougall, Mamie V., Snider, R. A., equal; Farrell, Elizabeth J., Murray, N., Cowan, D. R. G., equal; Hughes, Laura M.; Bissell, R. P., Black, J. J., Dowsett, R. E., Fairbairn, Helen G., Johnston, Margaret, equal; Stewart, M. E., Cliffe, H. P., equal; Edwards, H. L., Fraser, L. D. S., Pogson, G. H. E., MacPhail, Mary, Smeltser, J. H., equal; Traves, Luella, Wingard, Marjorie R., equal.

Div. III—Taylor, Jane M.; Melvin, L. Hazel, Stewart, Grace, Wood, Margaret, equal; Clinton, Nell; Schofield, Flora M., Smith, Mary, equal; Bureau, Isabel; Hamilton, Julia M., Shearer, Mary, equal; Scott, R. M.; Osborne, W. A.; Finlay, Vera E., Gale, J. A., MacNabb, Katherine, Taylor, May L. B., equal; Bridgman, Norma E., MacLachlan, J. K., equal; Baxter, Helen F., Tamblin, W. J., equal; Fraser, W. G. B., Powell, J. A., Scott, R. W., equal; Knowles, J. H., Truscott, Irene, Steele, Annie M., equal; McIntosh, A., Sissons, J. H. equal.

European History.—Div. I—Jeffrey, C. L.; MacCallum, Elizabeth P.; Conway, Irene; McCuaig, Gertrude, Moore, Kathleen V., Oatway, I. A., equal; Cumberland, R. W., Powell, Mabel, Revelle, Sarah E., Taylor, K., equal; Johnson, Florence M.; Cameron, J. G., Dyde, Jessie W., Ellis, E. J., McDonell, A. J., McKellar, Isabel; Rayson, R. S., Stillwell, Mabel W., equal.

Div. II—Campbell, W. A., Lamont, J. L., Roberts, Mabel, equal; Chown, Bessie A., Foley, R. S., MacArthur, Jessie B., MacCallum, H. R., McKercher, S., Neil, Edna, Powell, Alice, equal; Saunders, Janet F.; Ionson, Margaret, McKillop, G. F., Sheldon, F. F., equal; Cattanaach, J. A., Wormwith, Mildred A., equal; Kinahan, J. F.; McCuaig, E. C.; Clapp, Berenice, MacDougall, Harriette H., MacDougall, P. A., McMaster, Maud, Powell, J. A., equal; Cowan, D. R. G.; Chown, Dorothy, Donaldson, H. T., Susman, W., equal; Fleming, H. R.; Coon, Eva, Lamont, A. D., Urlin, W. R., equal; Barber, I. G., McIlraith, Margaret, Snider, R. A., Black, J. J., MacKenzie, W. J., Osborne, Mona, Smeltser, T. H.

Div. III—Graham, H. W.; Kelly, M. Dorcas, Stothers, J. C., equal; Gourlay, Mildred, Howie, J. R., McDonell, Mary U., equal; Dodds, L. R., Hill, S. T., equal; McTurk, Isabel; Partridge, J. A.; Fair, Flora, Ferguson, Evalena, Paynter, F. W., Rose, Kathleen, equal.

Colonial History.—Div. I—Allison, A. E.; Abbott, W. E.; Curtin, Gertrude M.; Dowsett, R. E.

Div. II—Sillers, Annie M.; Brethen, C. B.; Carty, J. J., Rose, J. L., Shaw, Bertha M. C., equal.

Div. III—Sellers, C. E.; Moore, H. W.; Johnston, Margaret; Graham, C. G., Wert, B. H., equal; Arnott, Audrey, Fleming, Lulu, equal; Allen, Vera; Burry, J. H., MacDougall, Christina, equal; Armstrong, Emily, Hamblin, Grace, Sissons, J. H., Yule, L. B., equal.

Mental Philosophy.—Div. I—McGillicuddy, Margaret; Jeffrey, C. N.; Lonsbury, D. J.; McNeil, Sr. Mary; Cameron, J. G.; MacKinnon, R., Dyde, Jessie, Scott, W. W., equal.

Div. II—McKercher, S.; Hanley, J. S., MacCallum, H., Irving, Naomi, equal; Linton, G., Kirkconnell, T. W., Taylor, May, Hazlett, J. M., equal; McCaig, E. C., MacArthur, Jessie, equal; Halliday, Ferna; Zacks, M., Smith, Mary, Cavell, H. E., equal; Ionson, Margaret, Murray, N., equal; Mohr, C. B., MacArthur, Jennie, Fleming, H. R., McCoy, E. M., Benger, Irene, Osborne, Mona, O'Reilly Sr. M., equal; Gilpin, T. J., McDonell, A. J., Riddell, J., equal; Ellis, E. J., Cumberland, R. W., equal; McCullough, R. C., Caldwell, H. G., Dooher, Helen, Bissell, R. P., equal; O'Reilly, E. N., Singleton, J. M., Mullin, Marguerite, equal; James, H. R., McIlraith, D. A., Kingston, W. J. R., equal; Curry, H. E.; Erwin, J. H., MacCallum, Elizabeth, Kelly Faustina, McDermott, Evelyn, equal.

Div. III—Chapin, H. E., Susman, W., Abernethy, Hazel, equal; Macinnis, J. A., White, H. C., equal; Anderson, Mabel; MacDougall, J. C., Wilson, Emily, equal; Walsh, Muriel, Mars, W. J., Gemmell, Nellie, equal; Flemming, J. T., Bolton, F. R., equal; Kirkpatrick, W. A., Fairbairn, C. V., equal; Silers, Annie; Beatty, A. J.; McGill, Eva, Lamb, T. G., Asselstine, R. M., equal; Finlay, Vera, Eby, Bessie, Lishman, F. R., Hyland, W. J. C., equal; Innes, C., Murray, G., equal; Murray, J., Hughes, Laura, MacKenzie, W. J., equal; MacLennan, J. H., Maitland, K. R., equal.

Moral Philosophy, Senior.—Div. I—Cumming, Lorne, Kinahan, J. F., equal; Alp, W. R., Dunbar, John, equal; Richardson, R.; Ferguson, Claude, Irwin, A. H.; Beers, Annie; Wright, Charles W.; Talbot, J. H.; McLeod, Blanche.

Div. II—Pedlow, Olive; Abernethy, Flora E.; Govan, Margaret L., Rae, M. H., equal; De Wolfe, Edna, McCullough, J. L., equal; Campbell, Ruth, Countryman, J. G., McDougall, J. Colin, Stewart, Grace Eva,

equal; Durkin, Eva, Pogson, G., equal; Workman, H. V.; Brethen, Claude B., Mabee, D. M., McIntosh, Catherine, Schofield, Flora M., equal; Johnson, Alfred, Scholes, Jennie E., equal.

Div. III—McCormick, J. S., Quinn, J. F., equal; Burry, J. H.; Wilson, J. J.; Revelle, I. E.; Osborne, W. A., Toole, Irene, O'Meara, W. J. P., equal; Bole, Abbie, Stewart, M. F.; Sly, Wilhelmina; Clark, Evelyn, Murray, John, equal; Naughton, Nellie; McLeod, T. E.; Melville, E. J.; Keill, L. J.; MacLachlan, J. K., Murray, George, Foreman, Kathleen, equal.

Economics.—Div. I—MacIntosh, W. A.; Knechtel, E.; De Wolfe, Edna; Irwin, W. A.; O'Reilly, E. L.; Freeman, N. V.

Div. II—MacKinnon, J. L.; Hill, S. T.; Singleton, J. M.; MacLeod, F. E.; Donaldson, A.; McCuaig, Gertrude; MacDonnell, A.; Garrison, A.; Pogson, G. H.

Div. III—Mars, W. J.; Clark, Evelyn; Connell, H. C.; Fairbairn, Helen; Mabee, D. M.; Neil, Edna; Ettinger, K.; Gore-Shellon, A. C.; Tudhope, H. H.; Scott, R. H.; Cowan, D. R.; Stewart, M. F.; Buller, C. E.; Steele, Anna; Irwin, A. H.; Whitehead, O.; Fraser, D. G.; Briggs, E. S.; Armstrong, H. E.; Kingston, W. G. R.; MacFadden, J. F.; Fair, Flora; Hubbs, Maud; Sissons, J. H.; Snider, R. A.; Smeltzer, J. H.; Hood, T.; Flanagan, G. E.; Moreland, Estella; Hamm, I. F.

Politics.—Div. I—Talbot, J. H.; Cowan, D. R.; Irwin, W. A.; MacCallum, H. R.; Pogson, G. H. E.; Caldwell, H. G.; MacCallum, Elizabeth.

Div. II—Wormwith, Mildred A.; Moore, H. W.; Brethen, C. B.; Scott, R. M.; Fairbairn, Helen G.; De Wolfe, Edna; Garrison, Elda M.; Ferguson, C.; Burry, J. H.; Clark, Evelyn B.; MacCallum, Mary; McFadden, J. F.; Hill, S. T.; McIlraith, D. A.; McIlraith, Margaret; Silvers, Annie; Donaldson, A.; Riddell, J. R.

Div. III—Singleton, J. M.; Abbott, W. E.; Gale, J. A.; Hubbs, Maude; Scholes, Jennie; Moreland, Estella; Rappell, K. C.; Dunlop, Irene; Hazlett, J. M.; Macleod, F. E.; Wilson, D. M.; McFadden, G. F.; Wright, Frances; Asselstine, R. M.; Mars, W. J.; McDougall, P. A.; Roberts, Mabel; MacKenzie, W. J.; Steele, Annie; Bole, Abbie; MacDougall, Christena.

Mathematics, Junior.—Div. I—Allison, A. E.; Wood, C. L.; Kenner, H. B.; Laird, Hilda, C.; Howard, W.; James, D. S.; McLean, Lena D.; Stinson, A., Holland, Catherine N., equal; Cornett, W. G.; Telford, Viola, Latour, N., equal; West, A., Nelson, S. B., equal; Ball, R. J., O'Reilly, J. J., equal; Hutchison, D.; McQuarrie, J. H.; Meng, L. H., Zacharion, Anastasia, equal; Anglin, Mary R., Bouchard, Mary A. C., Killins, Mabel, equal; Butson, H. G.; Clinton, Myrtle; Clinton, Nell, Marshall, W. F., Countryman, Hazel B., equal.

Div. II—Vessot, Nelida, Aylesworth, J., McKelvey, G. F., equal; McKerracher, L.; McGuire, A. W.; Hamilton, F. C., Carroll, W. I., Pierce, Mildred H., equal; Dennison, N. M., Leavine, S. F., equal; McDonald, Jessie H.; McLeod, H. A., equal; McDonell, Mary U., Wilder, Ethel G., equal; Bradshaw, Phyllis; Third, J. R., Sellers, C. E., equal; Kirby, G. H.; Bridgman, Norma E., Shields, R. E., equal.

Div. III—Macarow, P. D.; Emery, G. A. R., Morris, S. O., Ferguson, Katharine, Fraser, Myrtle, equal; Scott, R. W.; Sauriol, J. E.; McTavish, A. Miriam; Pitt, W. W.; Eagleson, F. B., Smith, L. H., Rankin, W. E., equal; McKinnon, R., Hague, Hilda, equal; McCall, Bella, Edwards, H. L., Fraser, A. C., equal; Gardiner, A. B.; McCallom, I., Morganworth, K. G., Hanlon, Agnes G., equal; Shaver, A. J., Harvey,

J. E., equal; Osborne, W. A.; Wilson, J. J., Sutherland, J. W. equal; Coon, Eva, Wilson, W. L., Lewis, Marjorie B., equal; Workman, H. V., Bowes, M., Naughton, Nellie, Givens, J. McC., Anderson, Mabel, equal.

Mathematics, Senior.—Div. I—Cameron, J. G.; Barlow, H. C.

Div. II—O'Reilly, Sister Mary; Folger, H. P.; Ellis, G. H.; Cowie, J. E.

Div. III—O'Donohue, J. A.; Rae, M. H.; Creighton, T. M.; Husband, Edith.

Physics, Junior.—Div. I—McKellar, Annie; Knox, H. C.; Allison, A. E.; Bailey, D. L.; Timm, Hannah; Folger, H. P.; Arnold, H. G.; Hutchison, D.; McGuire, A.; Zacharion, Anastasia; Hanna, L. M.; Shaver, A. J.; Wood, C. L.; Shearer, Mary.

Div. II—Ball, R.; Meek, E. S.; Roszell, M. C.; Strader, J. W.; James, D. S.; Kirby, G. H.; Third, J. R.; Cliffe, H. P.; Ross, Edith; Harvey, J. E.; Meng, L. H.; Campsall, G. E.; Graham, Annie; Greenlees, A. L.; McKerracher, L.; Sauriol, L.; Gilchrist, J.; Carroll, W. I.

Div. III—Cooke, Violet; Galbraith, E. B.; Givens, C.; MacTavish, Miriam; Hamilton, F. C.; Horning, H. R.; Lake, Marjorie; Simmons, J. R.; Hamblin, Grace; Houghton, C. W.; O'Reilly, J. J.; Penfound, W. L. B.; Creighton, Phyllis.

Physics, Senior.—Div. II—Waddell, E. K.; Hicks, F. F.; Knox, H. C.; Bailey, D. L.; Brown, R. G.; MacDougall, Isabella; Meek, E. S.

Div. III—Arnold, H. G.; McKellar, Annie J.; Russell, J. T. H.; Fraser, Amy; Greenlees, A. L.; O'Neill, J.; Strader, J. W.

Pass Botany.—Div. I—White, H. C.; McLeod, Blanche; Percival, Ella; Graham, Annie, McArthur, Jennie, Nelson, C. I., Wilson, Emily, equal; Cooke, Violet, Taylor, Mary, Irving, Naomi, equal; Carman, H. E., Vessot, Nelida, equal; Toole, Janet I.; McFadden, G. F., Gemmill, Nellie, equal; Brown, R. G., Johnson, Florence, equal; Bengier, Irene, Russell, J. H., equal; Percival, M. Lois.

Div. II—Girven, Margaret, Waddell, T. R., equal; Zacharion, Anastasia; Sly, Wilhelmina; Beers, Annie; French, W. E., Hanley, J. S., McLachlan, M. B., equal; Latimer, F. C.; Fleming, Lulu; Dowsett, R. E., Greig, E. H., McKellar, Annie, equal; Chown, Elizabeth, Judge, A. E., Kelly, Faustina, equal; Hanna, L. M.; Rae, M. H.; Galbraith, E. B.; Osborne, Mona; Fraser, Enid, Gilpin, T., equal; Anderson, Mabel, Cooke, Ella, Dunlop, Irene, McNabb, Mary, equal.

Div. III—Nesbitt, Lyla; McDonell, Mary; Skinner, Katie; Bailey, D. L., Clark, J. M., Shaver, A. J., equal; Hooper, Ethel; Hughes, Laura; Stewart, Grace; Gourley, Mildred; Ross, Edith; Partridge, J. A.; Halliday, Ferna; Penfound, W. L. B.; Throop, A. B. C.; Hastings, M.; Austin, H. F.

Pass Animal Biology.—Div. I—Timm, Hannah; Roszell, M. C.; Fraser, Jessie; White, H. C.; McDermott, Evelyn; Harrop, Esther; Countryman, Hazel, Lishman, F. R., equal; Chapin, H. E., Leggett, Hilda, Girven, Margaret, equal; Graham, Annie, Sheldon, H. H., equal; Branion, J. H., Lanos, Victor, equal; Kilgour, Ruby.

Div. II—McLeod, H. A., Shields, R. E., equal; Clark, Evelyn; Beers, Annie, Foreman, Kathleen, McTurk, Isobel, Ramsay, Emma, equal; Singleton, Eleda; DeWolfe, Edna, McIlraith, D. A., Meng, R. H., equal; Grant, Grace M., Walsh, Muriel, Lonsbury, D. J., Mohr, C. B., equal; Kenner, H. B., Maus, Janet, Sellers, Annie, equal; Hanna, F. M., McLean, Lena, equal; Whitehead, A.; McGuire, A., Percival, Ruby, equal;

Johnson, E. E., Kelly, Faustina, Givens, McClure, Urlin, W. R., McKillop, A., equal; Elliott, W. S., Law, G. E., O'Meara, W. P. J., O'Neil, Mary, equal; Dooher, Helen, Fraser, Amy, equal; Galbraith, E. B., Oatway, G. A., equal.

Div. III—Russell, J. T. H.; Lewis, Marjorie, McKillop, J., equal; Des-Roches, A., Mullin, Marguerite, equal; Neil, Edna, Sly, Wilhelmina, equal; Love, T. P., Kemp, F. D., McKellar, Margaret, equal; Edwards, J. W., Kelly, M. Dorcas, McIlraith, Margaret, Maitland, M. R., equal; Gourley, Mildred, Rankin, W. C., equal; Creighton, Phyllis, Percival, Ella, Wright, Frances, equal; Arrol, E. B., Douglas, A. C., equal; Boyd, A., McKinnon, R., Wilson, H. A., equal; McGregor, Irene, Ellis, G. H., equal; Cormack, Jean.

Chemistry, Junior.—Div. I—McKellar, Annie; Cameron, J. G.; Erb, W. O.

Div. II—Brown, R. G.; Arnold, H. G.; Morris, S. O.; Rose, Kathleen; Roszell, M. C.; Cruess, L.; Meek, E. S.; Graham, H. W.; Beamer, L. H.; Zacharion, Anastasia; McGuire, A. W.; Vessot, Nelida; Clapp, Bernice; Graham, Annie.

Div. III—Shearer, Mary; Leavine, S. F.; Donaldson, H. T.; Ball, W. N.; Pitt, W. W.; Paynter, F.; Johnson, Florence; Murray, J.; White, W. C.; Leggett, Hilda; Waddell, T. K.; McCallum, D. N.; Galbraith, E. B.; Ralph, Kathleen; Knox, H. C.; Kenner, H. B.; Telford, Viola; Boyd, A. A.; Chapin, H. E.; Shaver, A.; Dennison, N. M.; Boudier, L. E.; Ball, R. J.; MacLennan, J. H.; Sutherland, J. W.; Lake, Marjorie; Meng, L. H.; Dooher, Helen; Latimer, F. C.; Lawler, A. B.; Horning, H. R.; Dunlop, Irene; Ellis, G. H.; Gore-Sellon, A. C.

Chemistry, Senior.—Div. I—Nelson, C. I.

Div. II—Hanna, L. M., Mielhausen, A., equal.

Div. III—Chapin, H. E.; Hanley, J. S., Kenner, H. B., equal; O'Neill, J.; Arnold, H. G., Beamer, L. H., equal; Knox, H. C., McDougall, Isabel, equal; Susman, W.; O'Rielly, J. J.; Eadie, W. M.

Pass Mineralogy.—Div. I—Dickson, B. D.; Bailey, D. L.; Moffatt, W.; Beatty, A. J.; Chown, Bessie A.

Div. II—Latimer, F. C.; Schofield, Flora; Inglis, J.; Knox, H. T.; Young, R. H.; Greig, E. H.; Branion, J. H.; Cochran, Lilyan; McKinnon, R.

Div. III—Kearns, W. P.; Brown, G. W.; Traves, Luella; Whitehead, A.

Pass Geology.—Div. I—Third, T. W.; Russel, J. T. H.; Henderson, R.; Chown, Bessie; Bailey, D. L.; Roszell, M. C.; Holmes, W. S., Irving, Naomi G., equal; Grassie, W. E.

Div. II—Johnson, Florence M., Sheppard, J. R., equal; Cochran, Lilyan, Grieg, E. H., Throop, A. B. C., equal; Rose, J. L., Schofield, Flora, equal; McCuaig, Gertrude, McCullough, R. C., equal; Wilson, J. J.; Govan, Margaret; Inglis, J.

Div. III—Traves, Luella; DesRochers, A.; Eadie, W. M., Erwin, J. H., equal; Stephen, F. N.; Mielhausen, A.; Dunlop, Irene, Dunlop, J. J., Rae, M. H., equal; Whyte, C. B.; Hazlett, J. McL., Kearns, W. P., McKillop, J., equal; Johnson, Jean M., McIlraith, D. A., O'Meara, W. P. J., equal.

HONOUR CLASSES.

Latin, Preliminary.—Div. I—Kirkconnell, T. W.; Donnelly, Mina.

Div. II—Burton, Violet.

Div. III—Bogart, Flossie, Campbell, W. A. M., equal.

Latin, Final.—Div. II—Dewar, Nora Gladys, Lamb, T. G., equal.

Div. III—Keill, L. G.

Greek, Preliminary.—Class I—Kirkconnell, T. W.; Cameron, J. H.; Donnelly, Mina.

Class II—Bogart, Flossie; Burton, Violet; Dewar, Nora G.

Greek, Final.—Class I—Keil, L. G.

Semitic Languages, Preliminary.—Div. I—Wedderburn, J. F.

Div. II—Caverhill, P. C.

German, Preliminary.—Class I—MacKintosh, Agnes, W.; Moore, Kathleen V.

Class II—Kelly, M. Dorcas; Oatway, G. A.

Class III—Cole, Maude; Melvin, L. Hazel; Chalmers, Maude; Dodds, L. K.; Fisk, Etta.

German, Final.—Class I—Bowes, M.; Stillwell, Mabel W.

Class II—Chown, Elizabeth.

French, Preliminary.—Class I—Reynolds, Myrtle V.; Kelly, M. Dorcas; McKellar, M. Isabel; Moore, Kathleen V.

Class II—Dodds, L. R.

Class III—Bowes, M.; Scholes, Jennie E.; Brydon, Lucy; Bengier, Irene; Melvin, L. Hazel; Lake, Ethel, MacDougall, Anna, equal.

French, Final.—Class I—Stock, Dora H. (Medal); Roy, M. A.

Class III—Coley, A. F.

English, Preliminary.—Class I—Taylor, May; Hague, Hilda, Mackintosh, Agnes, Stothers, J. C., equal.

Class II—Erb, Maurice, Halliday, Ferna, equal; MacDonell, D. L., Stock, Dora, equal; Guthrie, Ethel; Fisk, Etta, Fyckes, Jessie, Wood, Grace, equal; Cameron, J. G., Loucks, H., equal; Balfour, Winifred, Govan, Margaret, Harrop, Esther, McKellar, Isabel, Wright, C. W., equal.

Class III—McNabb, Janet, Macpherson, Mary K., equal; Wilson, Emily; Campbell, H. B., McCallum, Mary, Toole, Irene, equal; Fleming, Lulu, Henry, Margaret, Smith, Mary, equal; Ineson, Margaret; Rose, J. L., Ward, E. M. H., equal; DeWolfe, Edna; Costin, Carrie, MacDougall, Florence, equal; Gore-Sellon, A. C., McDougall, Mamie, Revelle, Sarah, Sly, Wilhelmina, equal; Bole, Abbie, Brydon, Lucy, Curtis, J. T., equal; McIlraith, Margaret, Nesbitt, Lyla, Tobin, Mary, equal; Reid, T. A.; Dancy, Percy, Rogers, Jennie, equal.

Anglo-Saxon.—Class I—McNabb, Janet; Balfour, Winifred; Maus, Janet; Bengier, Irene, Harrop, Esther, equal; Guthrie, Ethel, Macpherson, Mary K., Warren, Violet, equal; Cumming, L. R.; Brydon, Lucy, Dersch, Stella, equal; Macdonald, Helen; Wood, Grace.

Class II—Struthers, A. J.; Erb, Maurice; Foreman, Edith; Costin, Carrie; Bowes, Merton.

Class III—Roberts, Mabel; Allen, Vera; McCormick, J. E.

English, Final.—Class I—Grant, Grace M.; Cumming, L. R.; Gilhooly, Beatrice; Irwin, J. A.; Tovell, Alene M.

Class II—Maitland, Jessie H.; Caverhill, H. J.; Rielly, B. I.; Warren, Violet; Kilgour, Ruby C.

Class III—O'Neill, Mary M.; Mullin, Marguerite; Graney, Elizabeth; Struthers, A. J.; Foreman, Edith; Revelle, I. E.; Maus, Janet; Chown, Olive.

History, Preliminary.—Class I—Balfour, Winifred, Mackintosh, Agnes; Erb, M.; Gilbert, R. H., Warren, Violet, equal; Gilhooly, Beatrice, McCallum, Mary, equal.

Class II—Wood, E. Grace; Kilgour, Ruby; Maitland, Jessie; McInnes, J. A., Maus, Janet, equal; Macdougall, Florence; Black, Zelma.

Class III—Cattanach, J. A.; O'Neill, Mary; Graney, Elizabeth; Govan, Margaret; Innes, Campbell; Través, Luella; Evans, J. J.

Extra-mural list to follow later.

Extramural—Class I—Finlayson, J. A.; Broad, S. J.

Class II—Perney, F. E.; Cavell, H. E.; Trace, C. M.

Class III—Bryce, W.; Denny, J. D.; Shortt, Geo.

History, Final.—Class I—Mackintosh, W. A.; Baldwin, P. M., McKinnon, J. L., equal; Beeshy, M. I.

Class II—Campbell, Ruth V.; Johnson, A., Revelle, A. E., equal.

Philosophy, Preliminary.—Class III—Black, J. S.

Special Examination in Honours.—Class III—McLoughlin, J. J.

Philosophy, Intermediate.—Class I—Irwin, J. A.

Philosophy, Final.—Class I—Forbes, E. V.; North, J. W.

Class II—Struthers, A. J.; Forbes, J. E.

Class III—Bennett, J. G.

Political Science, Preliminary.—Class I—Gilbert, R. H.; Caldwell, H. C.; Mackintosh, W. A.; Finlayson, J. A.; Cattanach, J. A.; Judge, A. E.

Class II—Trace, C. M.; McInnis, J. A.; Duncan, J. S.

Class III—MacLennan, C. R. F.; Oates, T. W.; Skene, J. B.; Ettinger, K. F.; Hannah, W. J.; Wells, H. F.; Kearns, W. P.; Gilpin, T. J.

Political Science, Final.—Class I—Baldwin, P. M.; Flemming, J. T.; Beeshy, M. I.; Pilgrim, E. W.

Mathematics, Preliminary.—Div. I—Timm, Hannah; McKellar, Annie J.; Brown, R. G.; Sheldon, H. H.; Butcher, C. W.

Div. II—Meek, E. S.; Corman, H. E.; French, W. E.; Shearer, Mary; Paynter, F. W.; Waddell, T. K.; Ross, Edith; Hamilton, Grace A.; Leggett, Hilda; Campbell, W. A.

Div. III (with 60 per cent. or over)—Love, T. P.; Cooke, Violet; Greenlees, A. L.; O'Neill, M. J.

Div. III (with less than 60 per cent.)—Morrow, Consuelo; Doohar, Helen; Lake, Marjorie; Partridge, J. A.; Clarke, Olive M.

Senior Class standing on Preliminary Honours—Strader, J. W.; McRoberts, J. H. W.; Ramsay, J. A.; Clapp, Berenice; Fraser, C. Mary C.

Mathematics, Intermediate.—Div. I—Rose, Kathleen; Barber, I. G.; McKillop, A. F.

Div. II—Lawr, M.

Div. III (with over 60 per cent.)—Campbell, W. A.; Graham, H. W.

Div. III (with less than 60 per cent.)—Ball, W. N.

Mathematics, Final.—Group A—Div. I—Cruess, L.; Dowsett, R. E.; Bennie, J. A.; Erb, W. O.

Div. II—Gray, B.; Donaldson, H. T.; Lamont, J. L.

Div. III—Lamont, A. D.; Knowles, J. H.; Lewis, R. E.; Urlin, W. R.

Group B., Div. II—Woods, A.

Physics, Preliminary.—Class I—Cruess, L. R.; Barber, J. G.; Donaldson, H. T.; Sheldon, H. H.

Class II—McKillop, A. F.; Gray, B.; O'Neill, M. J.

Class III—Lawr, M.; Urlin, W. R.; Knowles, J. H.; Ball, W. M.; Lamont, A. D.; Lamont, J. L.; Love, T. P.; Rose, Kathleen; Bennie, J. A.; Paynter, F. W.

Physics, Preliminary Experimental.—Class II—Cochrane, Lilyan; Brown, G. W.

Class III—Holmes, W. S.; Mielhausen, A.; Hoffer, G. W.

Physics, Final.—Part A—Class I—Howson, B. F.

Class II—Erb, W. O.

For M.A., Course B. (Group I), Class II—Woods, A.

Part A for Specialist, Class I—Howson, B. F.

Class II—Erb, W. O.

For M.A., Course B. (Group I), Class II—Woods, A.

Botany, Preliminary.—Class I—Dickson, B. T.; McDougall, Isabella; Beamer, L. H.; Hubbs, Maude; Holmes, W. S.; Joyce, W.; Arnold, H. G.

Class II—Young, R. H.; Eby, Bessie, Wilby, W. J., equal; O'Neill, J.; O'Reilly, Sr. M.; Erwin, W. M.; Burchell, J. E.

Botany, Final.—Class I—Sheppard, J. R.; Adams, J. G.

Animal Biology, Preliminary.—Class I—Beamer, J. H.; McDougall, Isabella; Arnold, H. G.; Freeman, U. V.; Hicks, F. F.; O'Reilly, J. J.

Class II—McCoy, E. M.; MacDonell, D. L.; Ettinger, G. H.; Steen, J.; Wilby, W. J.; Clarke, J. M.; Jackson, J. S.; McCullough, R. C.; Connell, H. C.; Gilchrist, J.; Susman, W.

Class III—Mielhausen, A.; Cameron, M.; Erwin, W. M.; Whalley, Muriel; Erwin, J. H.; Simmons, J. R.

Animal Biology, Final.—Class II—Parkhill, J. L.; Inglis, J.

Chemistry, Preliminary.—Class II—Hicks, F. F.; Clark, J. M.; Brown, G. W.

Class III—Sheppard, J. R., Steen, J., equal; Holmes, W. S.; Cochrane, Lilyan, Jackson, J. S., equal; Erwin, Wm., Ettinger, G. H., equal; Cameron, M.

Chemistry, Final.—Class I—Wynne, A. M. (Medal in Chemistry).

Mineralogy, Preliminary.—Class I—Barlow, H. C.

Geology, Preliminary.—Div. III—Whitehead, A.

SCHOOL OF MINING.

Supplemental Examinations, September, 1914.

- Surveying I.*—Div. III—Minnes, H. S.; Holmes, F.; Loughrin, T. D.
Economics.—Div. III—Noonan, W. F.
Hydraulic Engineering II and III.—Div. II—Noonan, W. F.
Hydraulic Engineering IV.—Noonan, W. F.
Structural Engineering II.—Div. III—Noonan, W. F.
General Engineering V.—Noonan, W. F.
Descriptive Geometry.—Div. III—Laturney, F.; Morgan, W.; Danais, P.
Electrical Engineering II.—Div. III—Johnston, W. J.
Mechanical Engineering VII.—Div. I—Wilkinson, J. B.
Div. II—Wert, G. D.
Mineralogy V.—Div. III—Pettingill, L.
General Chemistry I.—Div. II—Eagleson, S. P.
Physics II.—Div. III—Barrett, W. G.; Mabee, H. C.
Physics IV.—Div. III—Skinner, P. E.
Physics I. (b)—Div. III—Barrett, W. G.
Mathematics II.—Div. III—Welsh, R. L.; Poon, T. D.; Pettingill, E. L.
Mathematics III.—Div. III—Donevan, F. J.; Welsh, R. L.
Mathematics I.—Geometry.—Div. III—Cumming, C. H.; Holmes, F.; Wilson, H. S., equal; Connerty, C., Eagleson, S. P., equal.
Trigonometry I.—Div. III—Holmes, F.; Quigley, F. G.
Algebra I.—Div. II—Holmes, F.
Div. III—Wilson, H. S.; Coley, W. D.
Astronomy I.—Div. III—Hanley, A. C.; Welsh, R. L.

Sessional Examinations, April, 1915.

- English.*—Div. I—Greig, J. W., Paterson, D. R.; Johnston, C.M.; Nesbitt, F. G.; Bysshe, G. B.; Patterson, T. R.; Monture, G. C.
Div. II—Carter, A. W.; Patrick, W.; Smith, F. M.; Vincent, G. G.; Fahey, G. M.; Stalker, D. A.; Marrison, W. A.; Smith, E.; Wright, W. E.; Embury, W. J.; Fleming, T. H.; Goodearle, H. L.; Tobias, G. A.; Wright, D. G. H.; Wrong, G.; Mills, W. S.; Campbell, J. M.; Harris, C. R.; Meadd, H. E.
Div. III—Guest, T. E.; Montrose, C. H.; Wilson, G. G.; Waterhouse, G. K.; Carey, R.; Ker, M. T.; O'Brian, L.; Keon, J. J.; Hanley, A. C.; Harrison, S. J.; Mills, A. M.; Moore, C. M.; Hanlon, J. B.; McIntyre, T. M.

Economics I.—Div. I—Carnochan, R. R.; Smith, Roy F.; Bogg, O. D.; Orr, W. S.; Robb, E. R.; Welsh, R. S.; Barrett, W. G.; Collins, W. H.; Roach, D. J.; Joslyn, C. E.; Wilkins, C. V.

Div. II—McCarthy, F. W.; McLennan, M. T.; Rogers, G. R.; Slinn, W. H.; Fraser, O. B. J.; Laird, J. S.; McCallum, A. N.; Turner, S. R.; Stewart, J. R.; Mabey, H. C.; Nicholson, M. D.; Ramsay, D. G.; Denyes, W. B.; Smith, J. G.; Donevan, F. J.; McIntosh, A. K.; Pettigill, E. L.; Hemmerich, G.; Morgan, S. C.; Poon, Y. D.; Jackson, Arthur.

Div. III—Hughson, T. L.; Keeley, E. C.; Ringsleben, W. C.; Farnsworth, R. H.; Irwin, B. L.; Parrott, J. R.; Dagenais, J. H.; Wert, G. D.; Danaïs, P.; Finnemore, H. F.; Connerty, C.; Leslie, Eric; Fraser, C. E.; Milne, W. C.

Economics II.—Div. I—Ross, J. C.; Calhoun, D. H.; Van Patter, W. S.; Putman, C. V.

Div. II—Morgan, W. M.; Shiels, M.; Johnston, W. J.; Nixon, W. J.; Racknor, E.; Brown, D. G.; Smith, R. T.; Cook, W. S.

Div. III—Prouse, S. E.; Skinner, P. E.; Walton, C. G.; Patterson, R. P.; Hagey, C. R.; Martineau, J. O.; Robbins, A. A.; Lynch, G.; Laturney, F. F.; Charters, D. E.; Wilkinson, J. B.

Mathematics I, Algebra.—Div. I—Nesbitt, F. G.; Greig, J. W.; Patterson, T. R.; Wrong, G.; Paterson, D. R.; Patrick, D. G.; Keon, J. J.

Div. II—Cameron, A.; Moore, H. W.; Vincent, G. G.; Corbett, R. F.; McIntyre, T. M.; Mills, W. S.; Montrose, C. H.; Bysshe, G. T.; Meadd, H. E.; Wright, D. G. H.; Carey, R.; Goebel, N. J.; Harrison, S. J.; Monture, G. C.; Strickland, C. H.

Div. III—Carter, A. W.; Moore, C. M.; Sloan, J. H.; Smith, F. M.; Marrison, W. A.; Tobias, G. A.; Campbell, J. M.; Wright, W. E.; Fahey, J. V.; Harris, C. R.; Waterhouse, G. K.; Johnston, C. M.; Wilson, G. G.; Harrop, B. N.; Welsh, H. R.; Goodearle, H. L.; Hanley, A. C.; Ker, M. F.; McConville, C.; Godard, J. S.; Mills, A. M.; O'Brian, C. L.; Fleming, T. H.

Mathematics I, Geometry.—Div. I—Greig, J. W.; Paterson, D. R.; Patterson, T. R.; Goebel, N. J.; Knechtel, E. A.; Marrison, W. A., equal; Carey, R.; Wrong, G.; Dempsey, E. J.; Keon, J. J.

Div. II—Tobias, G. A.; Ker, M. F.; Montrose, C. H., equal; Wright, D.; Wright, W. E.; Strickland, C. H.; Bysshe, G. T.; Vincent, G. G.; Smith, F. M., equal; Wilson, E. V.; Johnston, J. M., equal; Meadd, H. E.; Waterhouse, G. K.; Monture, G. C., equal; Goodearle, H. L.; Campbell, J. M.; Mills, W. S.; Fahey, J. V.; Moore, C. M., equal.

Div. III—Smith, E.; Mills, A. M.; Colby, W. D.; Welsh, H. R.; Legault, A. J.; Stalker, D. A., equal; Brough, J. M.; Leslie, H. T.; Carter, A. W.; Sloan, J. H., equal; Guest, T. E.; McConville, C. M., equal; Smith, E. E.; Hughson, W. R.; Johnston, C. M.; Cameron, A.

Mathematics I, Trigonometry.—Div. I—Greig, J. W.; MacIntyre, T. M.; Patterson, T. R.; Carey, R.; Keon, J. J.; Marrison, W. A., equal; Moore, H. W.; Paterson, D. R., equal; Wrong, G.; Mills, W. S.; Tobias, G. A.; Vincent, G. G., equal.

Div. II—O'Brian, C. L.; Bysshe, G. D.; Corbett, R. F.; Cameron, R.; Carter, A. W.; Goebel, N. J.; Harris, C. R., equal; Goodearle, H. L.; Montrose, C. H., equal; Moore, C. M.; Guest, T. E.; Mills, H. M., equal; Waterhouse, G. K.; Wright, W. E., equal.

Div. III—Johnson, C. M.; Ker, M. F.; McConville, C.; Wilson, G. G., equal; Wright, D. G. H.; Harrison, S. J.; Smith, F. M., equal; Harrop, B.

N., Welch, H. R., equal; Legault, A. J., Monture, G. C., equal; Hanley, A. C.; Strickland, C. H.; Fahey, J. V., Fleming, P. H., Leslie, H. T., equal.

Mathematics I, Astronomy.—Div. I—Greig, J. W.; Tobias, G. A., Patterson, T. R., equal; Wrong, G.; Paterson, D. R.; Creighton, S. J.; Montrose, C. H.; Meadd, H. E., Bysshe, G. T., Moore, H. W., Keon, J. J., equal; Div. II—Marrison, W. A., Goebel, N. J., equal; Carey, R.; Waterhouse, G. K.; Wright, D. H. G., Monture, G. C., equal; Goodearle, H. L., Carter, A. W., equal; Legault, A. G.; Cameron, A., Wright, W. E., equal; Fahey, J. V.; Vincent, G. G., Moore, C. M., equal; Corbett, R. F., Guest, T. E., Knowles, C. W., equal.

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Mathematics II.—Div. I—Williams, H. J.; Dawson, C. B.; Belton, J. R.; Allin, M. C.; Smith, J. H. C., King, W. W., equal; House, J. A.; Ludgate, D. J., Boyd, C. S., equal.

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Mathematics III, Calculus.—Div. I—Williams, H. J.; Donnelly, C. H.; Belton, J. R.; Boulton, C. A.; Boyd, C. S.

Div. II—Dawson, C. B.; Jardine, H.; Kinnard, J. F.; Wright, J. G.; Ludgate, D. J.

Div. III—Herman, F. A.; Spence, W. A.; House, J. A.; Allin, M. C.; Ferguson, J. A.; McQuire, R. C.; King, W. W.; Blackburn, A. P.; Burwash, S. H.; Eby, A. M.; Wilson, E. V.; Marshall, J. M.; Garrett, W. G.; Gauthier, H. A.; Pringle, F. D.; Hughson, W. R.; Smith, J. H. C.

Supplemental—Hughson, T. L.

Physics I (a).—Div. I—Greig, J. W.; Bysshe, J. T.; Mills, W. S.; Moore, C. M.; Patterson, T. R.; Marrison, W. A.

Div. II—Montrose, C. H.; Corbett, R. F.; Keon, J. J.; Carey, R.; Mead, H. E.; Carter, A. W.; Smith, F. M.; Wright, W. E.; Wrong, G.; Paterson, D. R.; Wright, D. G. H.; Tobias, G. A.; Goebel, N. J.; Waterhouse, G. K.; Byron, M. R.

Div. III—Vincent, G. G.; Stalker, D. A.; Wilson, G. G.; Goodearle, H. L.; Johnston, C. M.; Snider, D. R.; Fahey, J. W.; Cameron, A.; Legault, J. J.; Monture, G. C.; Strickland, C. H.; Campbell, J. M.; Colby, W. D.; Welch, H. R.; Dixon, R. A.; Smith, E.; Pringle, F. G.; Brinkman, F.; Eby, H. M.

Physics I (b).—Div. I—Patterson, T. R.; Greig, J. W.; Marrison, W. A.; Bysshe, G. T.; Keon, J. J.; Johnston, C. M.; Mills, W. S.; Wrong, G.; Meadd, H. E.; Campbell, J. M.

Div. II—Corbett, R. F.; Smith, E.; Goebel, N. J.; Montrose, C. H.; Patrick, W. S.; Wright, D. G. H.; Wilson, G. G.; Vincent, G. G.; Carter, W. A.; Tobias, G. A.; Paterson, D. R.; Fahey, J. V.; Goodearle, H. F.; Mills, A. M.; Smith, F. M.; Moore, C. M.; Wright, W. E.; Waterhouse, G. K.; Carey, R.; Stalker, D. A.

Div. III—MacIntyre, T. M.; Strickland, C. H.; Monture, G. C.; Hanley, A. C.; Embury, W. J.; Legault, A. J.; Hanlon, J. B.; O'Brian, L.; Fleming, F. H.; Cameron, A.; Ker, M. F.; Harrop, H. N.; Harris, G. R.; Guest, T. E.; Smith, E. E.; Brough, J. M.; Leslie, H. T.; Ritchie, T. H.; McConville, C.; Welch, H. R.

Physics II.—Div. I—Spence, W. A.; Williams, H. J.; King, W. W.; Kendall, H. A.; Dawson, C. B.; Burwash, S. H.; Jardine, H.; Byron, M. R.; Ludgate, D. J.; House, J. A.; Belton, J. R.

Div. II—Whillans, T. O.; Boyd, C. S.; Kinnard, I. F.; Donnelly, C. H.; McQuire, R. C.; Wright, J. G.; Brinkman, F.; Allin, M. C.; Eby, H. M.; Cooke, N. M.; Smith, L. J.; Hara, F. W.; Vogan, G. O.

Div. III—Blackburn, A. P.; Van Amburg, G. O.; Armstrong, W. M.; Light, A. K.; Stephens, C. B.; Jamieson, E.; Wilson, E. V.; Smith, J. H. C.; Boulton, C. A.; Cumming, C. H.; Payne, T. H. L.; Herman, F. A.; Dixon, R. A.; Snider, D. R.; Marshall, J. R.; Marshall, I. M.; Gauthier, H. A.; Pringle, F. D.; Brown, W. H.; Garrett, W. G.; Anderson, G.; Paoli, A. A.; Robbins, C. A.

Physics III.—Div. I—Kendall, H. C.

Div. II—Allin, M. C.; Kinnard, I. F.; Whillans, T. O.; Stephens, C. B.

Div. III—Jamieson, E.; Payne, T. H. L.; Snider, D. R.

Physics IV.—Div. I—Morgan, C. S.

Div. II—Roach, D. H.

Div. III—Dagenais, J. H.

General Chemistry I.—Div. I—Greig, J. W.; Patterson, T. R.; Bysshe, G. I.; Wright, D. G. H.; Montrose, C. H.; Monture, G. C.; Meadd, H. E., equal; Mills, W. S., Paterson, D. R., equal; Tobias, G. A.

Div. II—Corbett, R. F., Marrison, W. A., equal; Carey, R., Wright, W. E., equal; Embury, W. J., Goebel, N. J., Waterhouse, G. K., equal; MacIntyre, T. M., Wrong, G., equal; Fahey, J. V., Ker, M. F., equal; Campbell, J.; Carter, A. W., Stalker, D. A., equal; Goodearle, H. L., Vincent, G. G., equal; Smith, F. M.; Strickland, C. H.; Byron, M. R., Johnston, C. M., Moore, C. M., equal.

Div. III—McConville, C. A.; Smith, E. E.; Fleming, T. H., Harrop, B. N., Leslie, H. T., O'Brian, L., Patrick, W. S., equal; Legault, A. J., Mills, A. M., equal; Ritchie, T. H.; Smith, E., Wilson, G. G., equal; Hanlon, J. B.; Guest, T. E.; Cameron, A.

General Chemistry II.—Div. II—Light, A. K.; Coon, E. H.; Belton, J. R.; Herman, F.

Div. III—Dawson, C. B.; Smith, J. H. C.

Analytical Chemistry I.—Div. I—King, W. W.; Wright, J. G.; House, J. A.; Williams, H. J.; Dawson, C. B.; Burwash, S. H.; Belton, J. R.; Donnelly, C. H.

Div. II—Kendall, H. C.; Allin, M. C., Spence, W. A., Rogers, A. B., Brinkman, F. L., Coon, E. H., equal; Boyd, C. S., McQuire, R. C., Cliff, G. H., equal; Jamieson, E.; Marshall, I. M.; Cumming, C. H.; Ferguson, J. A.; Smith, J. H. C.; Armstrong, W. M., Eagleson, S. P., equal; Boulton, C. A., Hara, F. W., equal.

Div. III—Blackburn, A. P.; Kinnard, I. F.; Yates, B. T., Light, A. K., equal; Pringle, F. D., Snider, D. R., equal; Cooke, N. M.; Stephens, C. B., Jardine, H., equal; Ludgate, D. J., Lawrence, C. V., equal; Wilson, E. V., Smith, L. J., equal; Herman, F.; Gauthier, H. A., Anderson, G., equal; Goddard, J. S., Garrett, W. G., Brown, W. H., equal; Eby, H. M., Hanley, A. C., equal; Martin, J. S., Holmes, F., Whillans, T. O., Bates, H. C., Hughson, T. L., Hughson, W. R., Keeley, E. C., equal.

Analytical Chemistry II.—Div. I—Jones, C. F.; Belton, J. R.; Light, A. K.
Div. II—Coon, E. H.; Herman, F.
Div. III—Young, R. J.

Analytical Chemistry III.—Div. I—Dawson, C. B.
Div. II—Cliff, G.; Smith, J. H. C.; Milne, W. C.
Div. III—Marshall, I. M.; Fraser, O. B. J., Keeley, E. C., Coon, E. H., Jones, C. F., equal.

Analytical Chemistry IV.—Div. I—Boggs, O. D.; Carnochan, R. K.; McCallum, A. N.
Div. II—Keeley, E. C.
Div. III—Ringsleben, W. C.; Rogers, G. A.

Analytical Chemistry VII.—Div. I—Pettingill, E. L.; Orr, W. S.; Parrott, J. R., Poon, Y. D., equal; Joslyn, C. E.
Div. II—Stewart, J. R.; Smith, R. F., Farnsworth, R. H., equal; Fraser, C. E.; Donevan, F. G.; Jackson, A.; Laird, J. S.; McCarthy, F., Denyes, W. B., equal; Turner, S. R., Nicholson, M. D., equal.
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Physical Chemistry I.—Div. III—Fraser, O. B. J.

Industrial Chemistry I.—Div. II—Fraser, O. B. J.
Div. III—Milne, W. C.

Industrial Chemistry II.—Div. I—Ross, J. C.; Van Patter, H. S.; Brown, D. G., Smith, G. J., equal.
Div. II—Robbins, C. A.; Morgan, W. M.; Robinson, E. K., Wilkins, C. V., equal; Calhoun, D. H.; Prowse, S. E., Putman, C. V., equal.
Div. III—Hagey, C. R.; Patterson, R. P., Walton, C. G., equal; Cook, W. S., Racknor, E., equal; Johnston, K. P.; Lynch, G.; Shiels, M. S.; Laturney, F.; Mabee, H. C.

Geology I.—Div. I—Dawson, C. B.; King, W. W.; Smith, J. H. C.; Donnelly, C. H.; House, J. A.; Wright, J. G.
Div. II—Ferguson, J. A.; Marshall, I. M.; Anderson, G.; Boulton, C. A.; Spence, W. A.; Williams, H. J.; Byron, M. R.; Boyd, C. S.; Brinkman, F. L.; Burwash, S. H.; Hara, F. W.; Yates, B. T.; Bates, H. C.; Cliff, G. H.; Eagleson, S. P.; Rogers, A. B.; Wilson, E. V.; Godard, J. S.; Armstrong, W. M.; Dixon, R. A.; Blackburn, A. P.
Div. III—Garrett, W. G.; Jardine, H.; Vogan, G. O.; Wilson, H. S.; Lawrence, C. V.; Hughson, W. R.; Cooke, N. M.; Paoli, A. A.; Smith, L. J.; Colby, W. D.; Holmes, F.; Pringle, F. D.; Cumming, C. H.; Ludgate, D. J.; Gauthier, H. A.; McGuire, R. C.; Eby, H.

Geology II.—Div. I—Boggs, O. D.

Div. II—Carnochan, R. K.; Rogers, G. R.

Div. III—Godson, F. P.; Ringsleben, W. C.; McCallum, A. N.; Keeley, E. C.

Geology III.—Div. I—Boggs, O. D.; Carnochan, R. K.

Div. II—McCallum, A. N.; Keeley, E. C.; Ringsleben, W. C.

Div. III—Rogers, G. R.

Geology IV.—Div. I—Boggs, O. D.

Div. II—Carnochan, R. K.; McCallum, A. N.; Ringsleben, W. C.; Godson, F. P.

Div. III—Rogers, G. R.; Keeley, E. C.

Geology V.—Div. I—Ringsleben, W. C.; Boggs, O. D.

Div. II—Carnochan, R. K.; McCallum, A. N.; Rogers, G. R.

Div. III—Keeley, E. C.

Geology VI.—Div. I—Marshall, J. R., Sands, J. M., equal.

Geology VIII.—Div. I—Ross, J. C.

Div. II—Morgan, W. M.; Patterson, R. P.

Geology IX.—Div. I—Putman, C. V.; Calhoun, D. H.

Div. II—McCartney, N.; Robinson, E. K., Smith, G. J., equal; Browne, D. G.; Van Patter, H. S.; Racknor, E.; Hagey, C. R.

Div. III—Prowse, L. E.; Cook, W. S., Wilkinson, J. B., equal; Johnston, K. P.; Walton, C. G.; Laturney, F., Lynch, G., equal; Robbins, C. A.; Martineau, J. O., Shiels, M. S., equal.

Geology X.—Div. II—Marshall, J. R.

Mineralogy I.—Div. I—Belton, J. Ross; Dawson, C. B., Marshall, I. M., equal; Herman, F. A.

Div. II—Smith, J. H. C.; Light, A. K.; Coon, E. H., Cliff, G. H., equal.

Div. III—Wilson, H. S.; Jones, C. F.

Mineralogy III.—Div. I—Dawson, C. B.

Div. II—Marshall, I. M.; Smith, J. H. C.

Div. III—Wilson, H. S.; Cliff, G. H.

Mineralogy IV.—Div. II—Ringsleben, W. C.; Boggs, O. D., McCallum, A. N., equal; Carnochan, R. K.

Div. III—Keeley, E. C.

Mineralogy V.—Div. I—Brinkman, F.; House, A. J.

Div. II—Rogers, A. B.; Lawrence, A. V.; Byron, M. R.; Burwash, S. H.; Eby, H.; Godard, J. S.; Jardine, H.; King, W. W.

Div. III—Wright, J. G.; Smith, L. J.; Eagleson, S. P.; Donnelly, C. H., Spence, W. A., equal; Colby, W. D., Pringle, F. D., Williams, H. J., equal; McQuire, R. C., Rowlands, H.; Wilson, E. V., Wilson, J. H., Yates, H. S., equal; Brown, W. H., Cooke, W. M., equal; Armstrong, W. M.; Blackburn, A. P.; Boulton, C. A.; Boyd, C. S.; Cummings, C. H.; Dixon, R. A.; Ferguson, J. A. T.; Gauthier, H. A.; Hara, F. W.; Ludgate, D. J.; Vogan, L. C.; Anderson, G.; Hughson, W. R.; Garrett, W. G.; Chalmers, G. H.; Holmes, F.; Martin, J. S.

Mineralogy VI.—Div. I—Ross, J. C.

Div. II—Morgan, Wm. M.

Div. III—Patterson, R. P.

Mining I.—Div. I—Boggs, O. D.

Div. II—Carnochan, R. K.; Rogers, A. N.; McCallum, A. N.;
Keeley, E. C.; Ringsleben, W. C.; McCallum, F. L.

Mining II.—Div. I—Morgan, W. M.

Div. II—Patterson, R. P.; Ross, J. C.; Fournier, J. A.

Milling—Div. II—Patterson, R. P.; Morgan, W. M.; Ross, J. C.; Fournier,
J. A.

Mining and Metallurgy IV.—Div. II—Morgan, W. M.; Patterson, R. P.;
Ross, J. C.; Fournier, J. A.

Summer Essay.—Div. I—Patterson, R. P.; Morgan, W. M.; Ross, J. C.;
Fournier, J. A.

Metallurgy I.—Div. I—Boggs, O. D.; Shaw, W. A.; Joslyn, C. E.; Hem-
merick, G.

Div. II—Robb, E. R.; Fraser, C. E.; Carnochan, R. K.; Turner, S.
R.; Rogers, G. R., Denyes, W. B., equal; McCallum, A. N.; Mabee,
H. C.

Div. III—McIntosh, A. K.; Pettingill, E. L.; McCarthy, F. W.,
Orr, W. S., equal; Farnsworth, R. H., McLennan, M. S., Smith, R. F.,
equal; Roach, D. J., Slinn, W. H., equal; Collins, W. H., Ringsleben,
W. C., equal; Jackson, A.; Leslie, E., Nicholson, M. D., equal;
Fraser, O. B. J., Smith, J. G., equal; Irwin, B. L., Parrott, J. R.,
Welsh, R. L., equal; Barrett, W. G., Dagenais, J. H., Hughson, S. R.,
equal; Keeley, E. C.; Donevan, F. J., Poon, Y. D., Milne, W. C.,
Stewart, J. R., equal.

Metallurgy II.—Div. II—Morgan, W.; Ross, J. C.; Patterson, R. P.

Metallurgy III.—Div. I—Nixon, N. J.

Div. II—Charters, D. E.; Skinner, P. E.; Platt, B. C.; Johnston,
W. J.

Fire Assaying.—Div. I—Boggs, O. D.; Carnochan, R. K.

Div. II—McCallum, A. N.; Fraser, O. B. J.; Ringsleben, W.

Div. III—Milne, W. C.; Keeley, E. C.; Rogers, G. R.

Ore Dressing.—Div. I—Boggs, O. D.; Carnochan, R. K.

Div. II—McCallum, A. N.; Milne, W. C.; Ringsleben, W.

Div. III—Rogers, G. R.; Fraser, O. B. J.; Keeley, E. C.

General Engineering I.—Div. I—Carnochan, R. K.; Williams, H. J.; Allin,
M. C.; King, W. W.

Div. II—Jardine, H.; Belton, J. R.; Burwash, S. H.; Hara, F. W.;
House, J. A.; Wright, J. G.; Donnelly, C. H.; Spence, W. A.; Boggs,
O. D.; Mabee, H. C.

Div. III—Anderson, G.; Blackburn, A. P.; Boulton, C. A.; Boyd,
C. S.; Payne, T. H. L.; Wilson, E. V.; Byron, M. R.; Coon, E. H.;
Whillans, T. O.; Jamieson, E. J.; McQuire, R. C.; Ferguson, J. A.;
Kendall, H. C.; Kinnard, J. F.; Armstrong, W. M.; Brinkman, F.;
Garrett, W. C.

General Engineering II.—Div. I—Joslyn, C. E.; Orr, W. S.; Robb, E. R.; Roach, D. J.

Div. II—Hughson, T. L.; Nicholson, M. D.; Collins, W. H.; Smith, R. F.; Fraser, C. E.; Turner, S. R.; Parrott, J. R.

Div. III—Denyes, W. B.; Donevan, F. J.; Jackson, A.; Farnsworth, R. H.; Irwin, B. L.; Smith, J. G.; McIntosh, A. K.; Morgan, S. C.; Barrett, W. G.; McCarthy, F. W.; McLennan, M. T.; Fraser, O. B. J.; Leslie, E.; Pettingill, E. L.; Wilkins, C. V.; Dagenais, J. H.; Hemmerich, G.; Laird, J. S.; Mabee, H. C.; Slinn, W. H.

Supplemental—Prowse, S. E.

General Engineering III.—Div. I—Rogers, G. R.; Skinner, P. E.; Carnochan, R. K., equal; Collins, W. H.; Orr, W. S.; Morgan, S. C.; Roach, D. J., equal; Denyes, W. B.; Robb, E. R.; Wilkins, C. V.; Joslyn, C. E.

Div. II—Turner, S. R.; Mabee, H. C.; Stewart, J. R.; Shaw, W. A., equal; Wert, G. D.; Leslie, E., equal; Farnsworth, R. H.; Slinn, W. H., equal; Van Amburg, G. O.; Hemmerich, G.; Nicholson, M. D., equal; Dagenais, J. H.; Jackson, A., equal; Barrett, W. G.; Finne-more, H. F.; Irwin, B. L., equal; Boggs, O. D.; Fraser, C. E., equal; Hughson, T. L.; Pettingill, E. L., equal; Knowles, C. W.; McCarthy, F. W., equal; Poon, Y. D.; Laird, J. S., equal.

Div. III—Ringsleben, W. C.; Smith, R. F.; Ramsay, D. G.; Welsh, R. L.; Donevan, F. J., equal; Fraser, O. B. J.; McCallum, A. N.; McLennan, M. T.; McIntosh, A. K., equal; Keeley, E. C.; Smith, J. G.; Milne, W. C.; Parrott, J. R.; Danais, P.

General Engineering IV.—Div. I—Browne, D. G.; Calhoun, D. H.; Johnston, K. P.; Putman, C. V.; Shiels, M. S.; Racknor, E.

Div. II—Robinson, E. K.; Prouse, S. E.; Robbins, C. A.; Van Patter, H. S.; Smith, G. J.; Lynch, G.

Div. III—Wilkinson, J. B.; Laturney, F. F.; Cook, W. S.; Martineau, J. O.; Hagey, C. R.; Walton, C. G.

General Engineering V.—Div. I—Van Patter, H. S.; Calhoun, D. H.; Putman, C. V.; Robinson, E. K.

Div. II—Walton, C. G.; Browne, D. G.; Shiels, M. S.; Smith, G. J.; Racknor, E.

Div. III—Prouse, S. E.; Laturney, F. F.; Robbins, C. A.; Cook, W. S.; Wilkinson, J. B.; Hagey, C. R.; Martineau, J. O.; Lynch, G.

General Engineering VI.—Div. I—Joslyn, C. E.; Robb, E. R.

Div. II—Orr, W. S.; Leslie, E.; Parrott, J. R.; Jackson, A.; Smith, J. G.

Div. III—Smith, R. F.; Fraser, C. E.; McLennan, M. T.; Turner, S. R.; Ramsay, D. G.; Collins, W. H.; Denyes, W. B.; Farnsworth, R. H.; Hemmerich, G.; Hughson, T. L.; Nicholson, M. D.; Slinn, W. H.

Structural Engineering I.—Div. I—Joslyn, C. E.; Turner, S. R.; Leslie, E.; Pettingill, E. L.

Div. II—Hughson, T. L.; Jackson, A.; Mabee, H. C.; Orr, W. S.; Smith, R. F.; Slinn, W. H.; Barrett, W. G.; McLennan, M. T.; Robb, E. R.

Div. III—Hemmerich, G.; Parrott, J. R.; Welsh, R. L.; Wilkins, C. V.; Nicholson, M. D.; McIntosh, A. K.; Denyes, W. B.; Laird, J. S.; McCarthy, F.; Irwin, B. L.; Ramsay, D. G.; Danais, P.

- Structural Engineering II.*—Div. I—Calhoun, D. H.
Div. II—Van Patter, H. S.; Robbins, C. A.; Shiels, M. S.; Walton, C. G.; Smith, G. J.; Browne, D. G.; Martineau, J. O.
Div. III—Robinson, E. K.; Prouse, S. E.; Hagey, C. R.; Racknor, E.; Putman, C. V.; Laturney, F. F.; Cook, W. S.; Wilkinson, J. B.
- Structural Engineering III.*—Div. I—Van Patter, H. S.; Smith, G. J.; Johnston, K. P.; Browne, D. G.
Div. II—Robinson, E. K.
Div. III—Calhoun, D. H.; Racknor, E.; Putman, C. V.; Laturney, F.; Robbins, C. A.; Allan, F. M.; Shiels, M. S.; Wilkinson, J. B.
- Hydraulic Engineering I.*—Div. I—Joslyn, C. E.; Nixon, N. J.; Orr, W. S.; Turner, S. R.; Robb, E. R.; Smith, R. F.
Div. II—Leslie, E.; Johnston, W. J.; Charters, D. E.; Irwin, B. L.; Farnsworth, R. H.; Hughson, T. L.
Div. III—Jackson, A.; Fraser, C. E.; Stewart, J. R.; Collins, W. H.; Welsh, R. L.; Skinner, P. E.; Patterson, R. P.; McIntosh, A. K.; Pettingill, E. L.; Nicholson, M. D.; Ross, J. C.; Barrett, W. G.; Donevan, F. J.; Hemmerich, G.; McLennan, M. T.; Denyes, W. B.; Slinn, W. H.; Morgan, W.; Parrott, J. R.; Platt, B. C.
- Hydraulic Engineering II.*—Div. I—Robinson, E. K.; Van Patter, H. S.; Smith, G. J.
Div. II—Putman, C. V.; Walton, C. G.; Johnston, K. P.; Browne, D. J.; Prouse, S. E.; Shiels, M. S.; Robbins, C. A.; Cooke, W. S.; Calhoun, D. H., equal.
Div. III—Racknor, E.; Wilkinson, J. B.; Hagey, C. R.; Lynch, G.; Martineau, J. O.; Laturney, F. F.
- Hydraulic Engineering III.*—Div. I—Van Patter, H. S.; Robinson, E. K.; Smith, G. J.
Div. II—Putman, C. V.; Prouse, S. E.; Calhoun, D. H.; Robbins, C. A.; Shiels, M. S.; Racknor, E.; Walton, C. G.; Browne, D. G.; Laturney, F. F.; Wilkinson, J. B.
Div. III—Martineau, J. O.; Cook, W. S.
- Railway Engineering I.*—Div. I—Orr, W. S.; McLennan, M. T.; Hughson, T. L.; Joslyn, C. E.; Smith, R. F.; Denyes, W. B.; Collins, W. H.
Div. II—Barrett, W. G.; Welsh, R. L.; Robb, E. R.; Parrott, J. R.; Ramsay, D. G.; Pettingill, E. L.; Smith, J. G.; McCarthy, F. W.; Jackson, A.
Div. III—Donevan, F. J.; Farnsworth, R. H.; Hemmerich, G.; Nicholson, M. D.; Fraser, C. E.; Irwin, B. L.; Danaïs, P.; Poon, Y. D.; McIntosh, A. K.; Slinn, W. H.; Turner, S. R.
- Railway Engineering II.*—Div. I—Browne, D. G.; Calhoun, D. H.; Robbins, C. A.; Putman, C. V.; Johnston, K. P.; Prouse, S. E.; Robinson, E. K.; Van Patter, H. S.
Div. II—Shiels, M. S.; Walton, C. G.; Smith, G. J.; Racknor, E.; Hagey, C. R.
Div. III—Lynch, G.; Laturney, F. F.; Cook, W. S.; Wilkinson, J. B.
- Railway Engineering III.*—Div. I—Van Patter, H. S.; Smith, G. J.; Browne, D. G.; Calhoun, D. H.; Putman, C. V.; Shiels, M. S.
Div. II—Robinson, E. K.; Robbins, C. A.; Racknor, E.; Johnston, K. P.
Div. III—Wilkinson, J. B.; Laturney, F. F.; Prouse, S. E.; Walton, C. G.; Cook, W. S.; Lynch, G.; Martineau, J. O.; Hagey, C. R.

Municipal Engineering I.—Div. II—Joslyn, C. E.; Slinn, W. H.; Smith, J. G.; McCarthy, F.; Jackson, A.; Barrett, W. G.; Robb, E. R.; Smith, R. F.; Hemmerich, G.; Leslie, E.; Orr, W. S.; Parrott, J. R.
Div. III—Fraser, C. E.; Irwin, B. L.; Nicholson, M. D.; Hughson, T. L.; McIntosh, A. R.; Donevan, F. J.; Ramsay, D. G.; Farnsworth, R. H.; Stewart, J. R.; Pettingill, E. L.; Collins, W. H.; Turner, S. R.; Denyes, W. B.

Municipal Engineering I.—Div. I—Smith, G. J.; Robinson, E. K.
Div. II—Van Patter, H. S.; Putman, C. V.; Prouse, S. E.; Walton, C. G.; Hagey, C. R.; Robbins, C. A.
Div. III—Martineau, J. O.; Shiels, M. S.; Browne, D. G.; Lynch, G.; Calhoun, D. H.; Johnston, K. P.; Wilkinson, J. B.; Laturney, F.; Racknor, E.

Municipal Engineering II.—Div. I—Robinson, E. K.; Smith, G. J.; Van Patter, H. S.; Putman, C. V.; Browne, D. G.; Johnston, K. P.; Calhoun, D. H.
Div. II—Walton, C. G.; Racknor, E.; Cook, W. S.; Wilkinson, J. B.; Prouse, S. E.
Div. III—Allan, F. M.; Martineau, J. O.; Hagey, C. R.; Robbins, C. A.; Shiels, M. S.; Lynch, G.; Laturney, F.

Municipal Engineering III.—Div. I—Johnston, K. P.; Van Patter, H. S.; Smith, G. J.; Robinson, E. K.; Browne, D. G.; Calhoun, D. H.
Div. II—Putman, C. V.; Racknor, E.; Prouse, S. E.; Walton, C. G.; Robbins, C. A.; Shiels, M. S.; Hagey, C. R.
Div. III—Laturney, F.; McNally, H. A.; Allan, F. M.; Cook, W. S.; Wilkinson, J. B.; Lynch, G.; Martineau, J. O.

Municipal Engineering IV.—Div. I—Robinson, E. K.; Shiels, M. S.; Putman, C. V.; Smith, G. J.; Johnston, K. P.; Walton, C. G.; Laturney, F.; Calhoun, D. H.; Robbins, C. A.
Div. II—Browne, D. G.; Van Patter, H. S.; Racknor, E.; Lynch, G.; Wilkinson, J. B.; Hagey, C. R.; Martineau, J. O.
Div. III—Prouse, S. E.; Cook, W. S.

Surveying I.—Div. I—Patterson, T. R.; Carter, A. W.; Bysshe, G. T.; Mills, A. M.; Greig, J. W.; Tobias, G. A.; Mead, H. E.; Carey, R.; Keon, J. J.; Moore, C. M.
Div. II—Fahey, J. B.; Goebel, N. G.; Johnston, C. M.; Montrose, C. H.; Embury, W. J.; Kerr, M. F.; Legault, A. J.; Vincent, G. C.; Mills, W. S.; Wright, D. S. H.; Monture, G. C.; Welsh, H. R.; Waterhouse, G. R.; McIntyre, T. M.; Stalker, D. A.; Strickland, E. E.; Patterson, D. R.; Goodearle, H. L.; Brough, J.; Fleming, T. H.; Wilson, G. G.; Campbell, J.; Eby, H. M.; Smith, E. E.
Div. III—Cameron, A.; Wrong, G.; Smith, E.; Harrison, S. J.; O'Brien, L.; Smith, F. M.; Leslie, H. T.; Harrop, B. N.; Guest, T. E.; McConville, — —; Marrison, W. A.; Corbett, R. F.

Surveying II.—Div. II—Williams, H. J.; Spence, W. A.; King, W. W.; Ferguson, F. A.; McQuire, R. C.; Hara, F. W.; Burwash, S. H.; Pringle, F. W.; House, J. A.; Ludgate, L. G.; Donnelly, C. H.; Armstrong, W. M.; Boulton, C. A.; Boyd, C. S.; Yates, B. T.; Lawrence, C. V.; Chalmers, C. H.; Wilson, E. V.

Div. III—Garrett, W. G.; Wright, J. G.; Browne, W. H.; Eagleson, S. P.; Holmes, F.; Gauthier, H. A.; Knowles, C. W.; Godard, S. J.; Colby, W. D.; Blackburn, A. P.; Vogan, G. O.; Cooke, N. M.; Smith, L. J.; Byron, M. R.; Anderson, G.; Bates, H. C.; Van Amburg, G. O.; Paoli, A. A.

Surveying III.—Div. I—Hara, F. W.; House, J. A.; Eagleson, S. P.; Pringle, F. D.; Boulton, C. A.; Boyd, C. S.; Wright, J. G.; Ludgate, D. J.

Div. II—Chalmers, D. H.; Eby, H.; Blackburn, A. P.; King, W. W.; Spence, W. A.; Anderson, G.; Byron, M. R.; Godard, S. J.; Bates, H. C.; Knowles, C. W.; Van Amburg, G. O.; Wilson, E. V.; Holmes, F.; Donnelly, C. H.; Dixon, R. A.; Armstrong, W. M.; Burwash, S. H.; Garrett, W. G.; Yates, B. T.; Jardine, H.; Williams, H. J.; Smith, L. J.; Rowlands, H. E.; Roger, A. B.; Browne, W. H.; Cooke, N. M.; Martin, J. S.; McQuire, R. C.; Paoli, A. A.

Div. III—Hughson, W. R.; Colby, W. D.; Gauthier, H. A.; Lawrence, C. V.; Ferguson, F. A.; Cummings, C. H.; Brinkman, F.

Surveying IV.—Div. I—Joslyn, C. E.; Orr, W. S.

Div. II—Farnsworth, R. H.; Robb, E. R.; Turner, S. R.

Div. III—Martineau, J. O.; Irwin, B. L.; Pettingill, E. L.; Welsh, R. L.; Denyes, W. B.; McIntosh, A. K.; Slinn, W. H.; Stewart, J. R.; Hughson, T. L.; Barrett, W. G.; Laird, J. S.; Nicholson, M. D.; McLennan, M. T.; Parrott, J. R.; Collins, W. H.; Smith, R. F.

Surveying V.—Div. II—McLennan, M. T.; Turner, S. R.; Orr, W. S.; Farnsworth, R. H.; Smith, J. G.; Stewart, J. R.; Pettingill, E. L.; Denyes, W. B.; Nicholson, M. D.; Fraser, C. E.; Robb, E. R.; Hughson, T. L.; Leslie, E.; Barrett, W. G.; Jackson, A.; Poon, Y. D.; Slinn, W. H.; Donevan, F. J.; Joslyn, C. E.; McIntosh, A. K.; Collins, W. H.

Div. III—Irwin, B. L.; Hemmerich, G.; Laird, J. S.; MacCarthy, F. W.; Smith, R. F.; Welsh, R. L.; Danais, P.; Ramsay, D. G.; Parrott, J. R.; Connerty, C.

Surveying VI.—Div. I—Dawson, C. B.; Kendall, H. C.; Light, A. K.; Smith, J. H. C.

Div. II—Marshall, I. M.; Kinnard, J. F.; Snider, D. R.; Herman, F. A.; Payne, J. H. L.; Belton, J. R.; Allin, M. C.; Cliff, G. H.; Coon, E. H.; Jones, C. F.; Jamieson, E.; Whillans, T. O.; Wilson, H. S.

Div. III—Young, R. J.

Surveying VII.—Div. I—Carnochan, R. K.

Div. II—McCallum, A. N.; Ringsleben, W. C.

Div. III—Keeley, E. C.; Boggs, O. D.; Rogers, G. R.

Engineering, Field Work.—Bate, C. B.; Brinkman, F. L.; Carnochan, R. K.; Cliff, G. H.; Cole, W. S.; Collins, W.; Connerty, G.; Denyes, W. B.; Donovan, F. J.; Dougherty, J. W.; Dunsmore, R. L.; Farnsworth, H. H.; Fraser, C. E.; Fraser, F. C.; Gauthier, H. A.; Godson, F. P.; Hemmerich, G.; Irwin, B. L.; Jackson, A.; Keeley, E. C.; Kennedy, S.; Lynch, G.; Martineau, J. O.; Miller, W. C.; McCallum, F. L.; MacCarthy, F. W.; McIntosh, A. K.; McLennan, M. T.; McLennan, R. C.; Nicholson, F. A.; O'Connor, S. D.; Orr, W. S.; Parrott, J. R.; Pearse, W. S.; Poon, Y. D.; Pringle, F. D.; Quartz, E. D.; Racknor, E.; Ramsay, E. F.; Ringsleben, W. C.; Robb, E. R.; Robbins, C. A.; Robinson, E. K.; Slinn, W. H.; Smith, J. G.; Smith, L. S.; Steven, H. A.; Stewart, J. R.; Stewart, W. J.; Turner, S. R.; Walton, C. G.; Wilkinson, J. B.; Walsh, R. L.

Engineering Field Work II.—Div. I—Robb, E. R.; Orr, W. S.; Stewart, J. R.; McIntosh, A. K.; Denyes, W. B.; Pettingill, E. L.; Collins, W. H.; Fraser, C. E.

Div. II—Turner, S. R.; Nicholson, M. D.; Smith, R. F.; Hughson, T. L.; Slinn, W. H.; Jackson, A.; McCarthy, F. W.; Ramsay, D. G.; Irwin, B. L.

Div. III—Farnsworth, R. H.; Poon, Y. D.; Parrott, J. R.; McLennan, M. T.; Smith, J. G.; Danaïs, P.; Donevan, F. J.; Laird, J. S.; Barrett, W. G.; Hemmerich, G.; Welsh, R. L.; Leslie, E.; Joslyn, C. E.

Engineering Field Work III.—Div. I—Johnston, K. P.; Smith, G. J.; Robbins, C. A.; Putman, C. V.; Calhoun, D. H.; Shiels, M. S.; Van Patter, H. S.; Browne, D. G.; Robinson, E. K.; Racknor, E.

Div. II—Prouse, S. E.; Wilkinson, J. B.; Cook, W. S.

Div. III—Hagey, C. R.; Laturney, F. F.; Martineau, J. O.; Walton, C. G.; Lynch, G.

Electrical Engineering I.—Div. I—Robb, E. R.; Joslyn, C. E.; Carnochan, R. K.

Div. II—Boggs, O. D., Orr, W. S., equal; Mabee, H. C.; Parrott, J. R., Nicholson, M. D., equal; Collins, W. H.; Hemmerick, G.; Fraser, O. B. J.

Div. III—Slinn, W. H.; Stewart, J. R., Hughson, T. L., equal; McCarthy, F. W., Keeley, E. C., equal; Wilkins, C. V.; Farnsworth, R. H., Fraser, C. E., equal; Denyes, W. B.; Irwin, B. L., Rogers, G. R., equal; Barrett, W. G., McLennan, M. T., equal; McIntosh, A. K., Welsh, R. L., Turner, S. R., equal; Smith, R. F., Smith, J. G., Danaïs, P., McCallum, A. N., equal; Pettingill, E. L., Laird, J. S., equal; Milne, W. C., Donevan, F. J., Ringsleben, W. C., equal.

Electrical Engineering II.—Div. I—Roach, D. J.

Div. III—Skinner, P. E.; Dagenais, J. H., Morgan, S. C., equal.

Electrical Engineering III.—Div. I—Roach, D. J.

Div. III—Johnston, W. J.; Morgan, S. C.; Dagenais, J. H.

Electrical Engineering IV.—Div. I—Shaw, W. A.

Div. III—Roach, D. J.

Electrical Engineering V.—Div. I—Charters, D. E.; Platt, B. C.

Div. II—Skinner, P. E.

Div. III—Johnston, W. J.; Nixon, N. J.

Electrical Engineering VI.—Div. I—Charters, D. E.

Div. II—Platt, B. C.; Skinner, P. E.

Div. III—Nixon, N. J.; Johnston, W. J.

Electrical Engineering VII.—Div. II—Smith, R. T.

Electrical Engineering VIII.—Div. I—Platt, B. C.; Charters, D. E.

Div. II—Skinner, P. E.

Div. III—Johnston, W. J.; Nixon, N. J.

Electrical Engineering IX.—Div. I—Charters, D. E.; Platt, B. C.

Div. II—Skinner, P. E.; Johnston, W. J.

Electrical Engineering XI.—Div. I—Nixon, N. J.

Mechanical Engineering I.—Div. I—Mabee, H. C.; Roach, D. J.

Div. II—Wert, G. D.

Div. III—Dagenais, J. H.; Fraser, O. B. J.; Morgan, S. C.; Finemore, H. F.

Mechanical Engineering II.—Div. I—Morgan, S. C.

Div. II—Mabee, H. C.; Wilkins, C. V.; Roach, D. J.

Div. III—Wert, G. D.

Mechanical Engineering III.—Div. I—Mabee, H. C.; Wilkins, C. V.

Div. II—Fraser, O. B. J.

Div. III—Milne, W. C.

Mechanical Engineering IV.—Div. I—Racknor, E.; Shiels, M. S.; Charters, D. E.; Van Patter, H. S.; Smith, G. J., Browne, D. G., equal.

Div. II—Robinson, E. K.; Ross, J. C.; Skinner, P. E.; Putman, C. V.; Lynch, G., Calhoun, D. H., equal; Martineau, J. O.; Platt, B. C.

Div. III—Johnston, W. J.; Prouse, S. E.; Hagey, C. R., Laturney, F. F., equal; Morgan, W. M., Wilkinson, J. B., equal; Nixon, N. J., Cook, W. S., Patterson, R. P., Robbins, C. A., Walton, C. G., equal.

Mechanical Engineering V.—Div. I—Smith, R. T.

Mechanical Engineering VI.—Div. II—Smith, R. T.

Mechanical Engineering VII.—Div. I—Kendall, H. C., Robb, E. R., equal; Allin, M. C.; Orr, W. S.; McLennan, M. T., Hughson, T. L., equal; Fraser, C. E.; Smith, R. F.; Parrott, J. R.; Carnochan, R. K.

Div. II—Joslyn, C. E., Kinnard, I. F., equal; Collins, W. H., Smith, J. G., equal; Farnsworth, R. N.; Denyes, W. B., Hemmerich, G., equal; Turner, S. R.; Stewart, J. R.; Donevan, F. J., Rogers, G. R., Whillans, T. O., equal; Jamieson, E., Poon, Y. D., equal.

Div. III—Ramsay, D. G., Snider, D. R., equal; Boggs, O. D., McCarthy, F. W., equal; Payne, T. H. L., Welsh, R. L., equal; Ringsleben, W. C.; Laird, J. S., Slinn, W. H., equal; Leslie, E., Ross, J. C., equal; Barrett, W. G., McIntosh, A. K., equal; Pettingill, E. L.; Danaïs, P., Jackson, A., McCallum, A. N., equal.

Mechanical Engineering VIII.—Div. I—Charters, D. E.; Johnston, W. J.; Platt, B. C., Skinner, P. E., equal; Smith, R. T., Nixon, N. J., equal.

Dynamics I.—Div. I—Joslyn, C. E., Roach, D. J., equal; Orr, W. S., Denyes, W. B., equal; Turner, S. R.; Hemmerich, G.; Parrott, J. R.; Jackson, A.; Collins, W. H.; Barrett, W. G.; Smith, R. F.; Pettingill, E. L.; Donevan, F. J.; Robb, E. R.; Carnochan, R.; Hughson, T. L.; Leslie, Eric, Morgan, S. C., equal; Irwin, B. L.; Laird, J. S.; McIntosh, A. K., Wert, G. D., equal.

Div. II—Ross, J. C.; Mabee, H. C.; Connerty, C.; Stewart, J. R.; McLennan, M. T., McCarthy, F. W., equal; Laturney, F. F.; Knowles, C. W., Slinn, W. H., Ramsay, D. G., equal; Farnsworth, R. H.; Welsh, R. L.; Wilkins, C. V.; Fraser, O. B. J.

Div. III—Walton, C. G.; Danaïs, P.; Smith, J. G.; Nicholson, M. D.; Van Amburg, G. O.; Boggs, O. D.; Dagenais, J. H.; McCallum, R. N.; Poon, Y. D.; Godson, F. P.; Fraser, C. E.

Thermodynamics II.—Div. I—Roach, D. J.; Orr, W. S.; Mabee, H. C.; Joslyn, C. E.; Turner, S. R.; Farnsworth, R. H., Wilkins, C. V., equal; Robb, E. R., McCarthy, F. W., equal.

Div. II—Fraser, C. E.; Denyes, W. B.; Parrott, J. R., Smith, R. F., equal; Fraser, O. B. J.; McLennan, M. T.; Laird, J. S.; Hemmerich, G.; Morgan, S. C.

Div. III—Hughson, T. L.; Stewart, J. R., Collins, W. H., equal; Barrett, W. G., Welsh, R. L., equal; Jackson, A., Dagenais, J. A., Leslie, E., equal; Van Amburg, G. O., Nicholson, M. D., equal; Finemore, H. F.; McIntosh, A. K., Pettingill, E. L., equal; Irwin, B. L., Ramsay, D. G., equal; Danaïs, P.; Slinn, W. H.; Smith, J. G.; Donevan, F. J.; Knowles, C. W.

Thermodynamics III.—Div. I—Charters, D. E., Johnston, W. J.; Skinner, P. E.

Div. II—Nixon, N. J.; Platt, B. C.; Smith, R. T.

Thermodynamics IV.—Div. I—Smith, R. T.

Thermodynamics V.—Div. I—Mabee, H. C.; Wilkins, C. V.

Drawing I.—Div. I—Waterhouse, G. K.; Greig, J. W.; Johnston, C. M.; Marrison, W. A.; Stalker, D. A.; Keon, J. J.; Carey, R.; Nesbitt, F. G.; Fahey, J. V.; Patterson, T. R.; Mills, J. S.; Creighton, S. J.; Legault, A. J.; Tobias, G. A.; Knetchel, E. A.; Smith, E. E.; Bysshe, G. T.; Meadd, H.; Montrose, C. H.; Dempsey, E. J.; Coon, H. A.; Welch, H. R.; Mills, A. M.

Div. II—Cameron, A.; Harrop, N. B.; MacLachlan, A. G.; Pater-son, D. R.; Wilson, G.; Wrong, G.; Carter, A. W.; Goodearle, H. L.; Johnston, J. M.; MacIntyre, T. M.; Ker, M. F.; Campbell, J. M.; Vincent, G.; Ritchie, T. H.; Mills, W. S.; Goebel, N. J.; Scott, R. M.; Wright, D. G.; Lymburner, F. H.; Hanlon, J. B.; Wright, W. E.

Div. III—Brough, J. M.; Fleming, T. H.; Leslie, H. T.; Guest, T. E.; Hetherington, J.; Moore, C. M.; Strickland, C. H.; Monture, G. C.; McConville, C.; Ward, B. O.; Smith, E.; Harris, C. R.; Harvey, O. R.; Rowland, R. C.; Smith, F. M.

Drawing II.—Div. I—King, W. W.; Burwash, S. H.; Dawson, C. B.; Brown, W. H.; Armstrong, W. M.; Hara, F. W.; House, J. A.; Rogers, A. B.; Garrett, W. G.; Yates, B. T.; Light, A. K.; Boulton, C. A.

Div. II—Marshall, I. M.; Herman, F. A.; Boyd, C. S.; Eagleson, S. P.; McQuire, R. C.; Wilson, E. V.; Williams, H. J.; Donnelly, C. H.; Chalmers, G. H.; Jones, C. F.; Cliff, G. H.; Anderson, G.; Cooke, N. M.; Hughson, W. R.; Spence, W. A.

Div. III—Wright, J. G.; Lawrence, C. V.; Eby, H.; Byron, M. R.; Ludgate, D. J.; Martin, J. S.; Blackburn, A. P.; Bates, H. C.; Smith, J. H. C.; Godard, J. S.; Brinkman, F.; Hamm, I. F.; Dixon, R. A.; Jardine, H.; Paoli, A. A.; Cumming, C. H.; Belton, J. R.; Ferguson, J. A.; Colby, W. D.; Smith, L. J.; Gauthier, H. A.; Vogan, G. O.; Holmes, F.; Sutherland, N. C.; Young, R. J.; Coon, E. H.; Wilson, H. S.

Drawing III.—Div. I—Kendall, H. C.; Allin, M. C.; Payne, T. H.; Snider, D. R.

Div. II—Whillans, T. O.; Hanley, A. C.; Kinnard, I. F.

Div. III—Jamieson, E.; Keller, R. L.

Descriptive Geometry.—Div. I—Burwash, S. H., House, J. A., equal; Kendall, H. C.; Dawson, C. B.; King, W. W.; Williams, H. J.; Smith, J. H. C.; Hara, F. W., Allin, M. C., equal; Wright, J. G., Brown, W. H., Belton, J. R., equal; Jardine, H.; Boulton, C. A., Kinnard, I. F., equal; Marshall, I. M.; Donnelly, C. H.; Spence, W. A., McQuire, R. C., equal; Light, A. K.; Byron, M. R.; Armstrong, W. M.; Whillans, T. O., Wilson, E. V., equal; Boyd, C. S.

Div. II—Eagleson, S. P.; Lawrence, C. V.; Ferguson, J. A.; Bates, H. C.; Rogers, A. B.; Jones, C. F.; Yates, B. T., Vogan, G. O., equal; Ludgate, D. J.; Pringle, F. D.

Div. III—Eby, H.; Cumming, C. H.; Jamieson, E., Martin, J. S., equal; Payne, T. H.; Smith, L. J., Gauthier, H. A., equal; Holmes, F., Herman, F. A., equal; Hughson, W. R., Blackburn, A. P., equal; Cooke, N. M.; Garrett, W. G.; Paoli, A. A.; Cliff, G. H.; Anderson, G.; Brinkman, F.; Snider, D. R.; Chalmers, G. H.; Welsh, R. L.; Young, R. J.; Coon, E. H.

Workshop I.—Div. I—Hara, F. W.; King, W. W.; Fraser, O. B. J.; McQuire, R. C.; House, J. A.; Ludgate, D. J.; Boyd, C. S.; Donnelly, C. H.; Ellis, W. H.; Garrett, W. G.; Dawson, C. B.; Smith, R. T.; Williams, H. J.; Blackburn, A. P.

Div. II—Yates, B. T.; Milne, W. C.; Webster, A. A.; Anderson, G.; Martin, J. S.; Smith, J. H. C.; Johnston, W. J.; Wright, J. G.; Armstrong, W. M.; Byron, M. R.; Wert, G. D.; Dixon, R. A.; Marshall, J. M.; Brinkman, F.; Boulton, C. A.; Rogers, A. B.; Holmes, F.; Colby, W. D.; Wilson, H. S.; Spence, W. A.; Jardine, H.; Bates, H. C.

Div. III—Wilson, E. V.; Eagleson, S. P.; Hughson, W. R.; Cooke, N. M.; Vogan, G. O.; Ferguson, J. A.; Paoli, A. A.; Godard, J. S.; Cumming, C. H.; Eby, H.; Young, J. L., Pope, A. D., equal.

Workshop II.—Pass—Charters, D. E.; Skinner, P. E.; Johnston, W. J.; Platt, E. C.

FACULTY OF MEDICINE.

Supplemental Examinations, September, 1914.

First Year.

Junior Anatomy.—Kennedy, M. J.

Junior Materia Medica.—Tripp, A. J.; Henderson, R. C.; Finlayson, J. C.; Dunning, C. S.; Hagyard, F. N.

Physics.—Hagyard, H. C.; Plews, T. V.; Coulter, J. W.; Preston, H. E.

Junior Chemistry.—Loudon, T. G.; Mahoney, D.; Finlayson, J. C.; Kennedy, M. J.; Connell, W. S.; Hooper, Geo.; Beaupre, E. J. de; Brennan, E. J.

Second Year.

Organic Chemistry.—Sager, Wm.; Houston, J. F.; Canek, S. H., Leacy, P., equal; Grace, N.; Blair, J. H., Box, J. H., Brennan, E. J., de Beaupre, E. J., equal.

Senior Materia Medica.—Reid, F. L.

Senior Histology.—Coulter, J. W.; de Beaupre, E. J.; Reid, F. L.; Angrove, R. H.; Kennedy, D. L.

Senior Physiology.—Hooper, Geo.; Coulter, J. W., Hagyard, H. C., Grace, N. M., equal.

Senior Anatomy.—Coglon, M. F.; Liguore, C. C.

Third Year.

- Junior Practice of Medicine*.—Donovan, C. R.; Macdonnell, P. M.
Junior Clinical Medicine.—Plews, T. V.
Junior Surgery.—Macdonnell, P. M.
Junior Clinical Surgery.—Plews, T. V.
Junior Obstetrics and Pediatrics.—Macdonnell, P. M.; Byers, D. P.
Pathology.—Macdonnell, P. M.; Plews, T. V.; Millan, K. E., de Beaupre, E. J., equal.
Bacteriology.—Brennan, E. J.; de Beaupre, E. J.; Macdonnell, P. M.
Jurisprudence.—Macdonnell, P. M.; Donovan, C. R.
Junior Applied Anatomy.—Macdonnell, P. M.

Fourth Year.

- Senior Practice of Medicine*.—Kane, A. C.; Profitt, T. D.; Saunders, W. J., Connell, W. S., Liguore, C. C., equal.
Senior Clinical Medicine.—Kane, A. C.; Saunders, J. M.; Connell, W. S., Profitt, T. D., Liguore, C. C., equal.
Senior Surgery.—Kane, A. C.; Saunders, J. W.; Profitt, T. D.
Senior Clinical Surgery.—Kane, A. C.; Liguore, C. C.
Senior Obstetrics and Gynecology.—Saunders, J. W.; Kane, S. A.
Senior Pathology.—Kane, A. C.; Profitt, T. D.; Connell, W. S.; Saunders, J. W.
Sanitary Science.—Kane, A. C.; Connell, W. S.; Kennedy, D. L.
Senior Applied Anatomy.—Saunders, J. W.; Kane, A. C.
Disease of Eye, Ear, Nose and Throat.—Saunders, J. W.; Kane, A. C.; Profitt, T. D.; Kennedy, D. L.
Therapeutics.—Saunders, J. W.; Kane, A. C.; Connell, W. S.

FACULTY OF MEDICINE.

Sessional Examinations, April, 1915.

First Year.

- Pass List*—Purvis, L. C.; Cauley, A. A.; Boe, M. R.; Stewart, G. R.; Reece, E. W.; Abbott, C. F.; Pocock, W. T.; Rose, C. S.; Salsberg, R.; Page, E. L.; Carruthers, C. H.; Lyon, R. C.; Hayes, S. A.; Kirkby, R. W.; Calder, A.; Fowkes, J. T.; Urie, P. R.; Lalande, R. H.; Goodfellow, F. R.; McCuaig, V. C.; Peever, M. G.; Peterson, E. H.; Tichborne, S. F.; MacLennan, F.; MacMillan, A. C., equal; Kerr, M. R.; Baggs, Geo.; Palmer, L. J.; Campbell, W. R.; Bartholomew, E. D.; Horne, S. J. W.
First Year's Standing granted for Overseas Service.—Campney, R. O.; Craig, N. M.; Eaton, Archie; Fairbairn, G. F.; Guest, G. F.; Harris, G. S.; Henderson, C. C.; Henry, E. W.; McIntyre, A. J.; McPhee, J. E.; Parker, R. M.; Sully, N. C.; Wallace, Jas.; Warner, G. L.; Whittaker, R. W.

The following have completed the work of the First Year with Classes allowed in Arts or Science.—Cummins, H. G.; Johnston, C. G.; McEachen, R. S.; Munro, J. M.; Sharp, J. F.

The following Students of the First Year must take Supplemental Examination in one class in September next.—Archer, C. D.; Kaliel, E. J.; McDowell, S. E.; Snider, G. E.; Stonehouse, G. G.; Thorne, L. H.

ON FOUR YEAR COURSE.

Animal Biology and Junior Physiology.—Johnston, R. K.

Junior Anatomy.—Fraser, J. E.; Young, J. A.; McFadden, G. F.; Downes, W. P.; Clark, J. M.; Eshoo, D., Robertson, W. G., equal.

ON FOUR YEAR COURSE.

Materia Medica.—Guest, G. F.; Fraser, J. E.; McIntyre, A. J.; Clark, J. M.; Eshoo, D.; Parker, R. M., Wallace, Jas., equal; Young, J. A.; McFadden, G. F.; Macdonald, J. O.; Downes, W. P.; Martin, W. A.; MacGregor, J. A.; Atkinson, E.

Chemistry (Practical).—Kerr, T. R.

Second Year.

Anatomy.—Hedden, H.; Nicklin, H. R.; Davidson, R. F.; Corbett, C. B., Davies, J. R., Sweeney, J. P., equal; Gallagher, C. D.; Emery, G. B.; Young, J. A., Macfarlane, H. G., Gooch, C., equal; Clarke, G. H.; Johnston, G. H.; Tripp, A. J., Robertson, W. G., equal; Boyce, H. A.; Sellery, C. M., Page, W. C., equal; Leatherbarrow, A. T., Black, W. N. D., equal; Finlavson, J. C.; McGhie, B. T.; McKay, W. M., Deans, R. C., equal; Eve, J. W., Nolan, E. W., Palmer, C. A., equal; McGhie, A. G.; Lloyd, W. H.; Blackett, O. K., Kennedy, M. J., equal; Grant, W. R.; Kemp, J. H.

Materia Medica.—Nicklin, H. R.; Clark, G. H.; Hedden, H.; McFadden, G. F.; Palmer, C. A.; Sellery, C. M.; Macdonald, J. O.; Leatherbarrow, A. T., Young, J. A., equal; Gooch, C., Nolan, E. W., equal; Clark, J. M., Deans, R. C., Eve, J. W., Gallagher, C. D., equal; Blackett, O. K., Macfarlane, H. G., equal; Emery, G. B., Sweeney, J. P., equal; Davidson, R. F.; Eshoo, D., Fraser, J. E., equal; Black, W. N. D.; Downes, W. P., McGhie, A. G., equal; Boyce, H. A., Lloyd, W. H., equal; Johnston, G. H.; Corbett, C. B.; Bonfield, J. P.; McGhie, B. T., Tripp, A. J., equal; Robertson, W. G.; Davies, J. R.; Loudon, T. G., Moxley, J. H., Page, W. C., equal.

Chemistry.—Hedden, H.; Gallagher, C. D.; Clarke, G. H.; Davies, J. R., Macfarlane, H. G., equal; Clark, J. M., Downes, W. P., equal; Johnston, G. H.; Corbett, C. B.; Eve, J. W., Palmer, C. A., equal; Boyce, H. A., Lloyd, W. H., Nicklin, H. R., equal; Johnston, R. K., McFadden, G. F., McGhie, A. G., McGhie, B. T., Nolan, E. W., Sellery, C. M., equal; Black, W. N. D., Gooch, C., equal; Bonfield, J. P.; Blackett, O. K., McDonald, J. O., McKay, W. W., Robertson, W. G., Sweeney, J. P., equal; Tripp, A. J.

Physiology.—Hedden, H.; Gooch, C., Johnston, G. H., equal; Leatherbarrow, A. T.; Gallagher, C. D., Macfarlane, H. G., equal; Nicklin, H. R.; Fraser, J. E.; Davidson, R. F., Davies, J. R., equal; Corbett, C. B.; Eve, J. W.; McFadden, G. F.; Palmer, C. A.; McGhie, B. T., Sellery, C. M., Tripp, A. J.

J., Clark, G. H., equal; McGhie, A. G., Sweeney, J. P., equal; Boyce, H. A.; Johnston, R. K.; Lloyd, W. H., Nolan, E. W., equal; Young, J. A.; Black, W. N. D., Blackett, O. K., Bonfield, J. P., Deans, R. C., Downes, W. P., Emery, G. B., Loudon, T. G., Macdonald, J. O., McKay, W. W., Page, W. C., Robertson, W. G., equal; Preston, H. F.; Kennedy, D. L.

Histology—Fraser, J. E.; Clarke, G. H.; Eve, J. W.; Corbett, C. B.; Nicklin, H. R.; Gooch, C.; Davidson, R. F.; Sweeney, J. P., Hedden, H. equal; Gallagher, C. D., McFadden, G. F., equal; Leatherbarrow, A. T., Blackett, O. K., equal; Davies, J. R.; Macfarlane, H. G., McGhie, A. G., equal; Loudon, T. G., Johnston, G. H., Clark, J. M., equal; Downes, W. P.; Moxley, J. H., Sellery, C. M., equal; Boyce, H. A., Black, W. N. D., equal; Robertson, W. G.; Lloyd, W. H.; McGhie, B. T., Bonfield, J. P., equal; Leahy, W. H., Palmer, C. A., Emery, G. B., equal; Page, W. C., Finlayson, J. C., equal; Tripp, A. J.; Nolan, E. W., Deans, R. C., McKay, W. W., Young, J. A., Johnston, R. K., Macdonald, J. O., Brennan, E. J., Preston, H. E., Shear, M. M., equal.

2nd Year Standing and Examinations granted for Overseas Service.—Appleby, L. H.; Bell, G. L.; Campbell, D. M.; Cross, W. D. S.; Dunning, C. S.; Fallis, L. S.; Goodfellow, G. F.; Guest, G. F.; Haffner, A. B.; Hammett, J. E.; Kearney, J. A.; Leahy, W. H.; MacGregor, J. C.; Mills, J. D.; McIntyre, A. J.; Nichol, D. H.; Nicholson, D.; Parker, R. M.; Pelton, H. A.; Pilkey, J. H.; Price, F. E.; Reist, C.; Rutledge, E. J.; Shaver, R. C.; Topliff, E. E.; Wallace, Jas.; Walsh, F. B.; Woodside, H. A.

Third Year.

Practice of Medicine.—Cartar, T. F.; McMillan, W. H., Angrove, H. S., equal; Duffett, W. H.; Brown, W. E.; Moher, M. J., Key, J. A., equal; Taitt, D. J.; Bennett, T. D.; MacNeill, J. G., Dowd, R. A., Fitzsimmons, J. S., Gordon, E. J., Sagar, Wm., Brennan, E. J., equal; Brown, M. G., Angrove, R. H., equal; Leacy, P.; Mahony, D.; Finlayson, C. M., Moxley, J. H., equal; Case, J. W. T., Blair, W. G., equal; Reid, F. L.

Clinical Medicine.—Angrove, H. S.; Moxley, J. H.; Brown, M. G.; Duffett, W. H.; Mahony, D.; Cartar, T. F., MacNeill, J. G., Moher, M. J., equal; Bennett, T. D.; Dowd, R. A.; Key, J. A., Sager, Wm., equal; Fitzsimmons, J. S.; Angrove, R. H.; Case, J. T. W., Gordon, E. J., equal; Leacy, P.; Brown, W. E.; Finlayson, C. M., McMillan, W. H., Reid, F. L., Taitt, D. J., equal.

Surgery.—Brown, W. E.; McMillan, W. H.; Angrove, H. S.; Key, J. A.; Fitzsimmons, J. S.; Moher, M. J.; Cartar, T. F.; Moxley, J. H., Brown, M. G., equal; Duffett, W. H.; Finlayson, C. M., Leacy, P., equal; Bennett, T. D.; Angrove, R. H., Gordon, E. J., equal; Taitt, D. J., MacNeill, J. G.; Mahony, D.; Case, J. W. T.; Blair, W. G.; Dowd, R. A.; Sagar, W., Preston, H. E., equal.

Clinical Surgery.—Duffett, W. H.; Dowd, R. A.; Leacy, P., Bennett, T. D., McMillan, W. H., equal; Angrove, R. H., Brown, M. G., equal; Key, J. A.; Moher, M. J.; Sager, Wm.; Angrove, H. S.; Blair, W. G., Brown, W. E., MacNeill, J. G., equal; Cartar, T. F.; Finlayson, C. M.; Mahony, D.; Gordon, E. J.; Moxley, J. H., Byers, D. P., equal; Taitt, D. J., Fitzsimmons, J. S., equal.

Obstetrics.—Angrove, H. S.; Fitzsimmons, J. S.; Cartar, T. F.; Finlayson, C. M.; Key, J. A.; McMillan, W. H.; Bennett, T. D.; Taitt, D. J.; Gor-

don, E. J.; Moxley, J. H.; Brown, W. E.; Duffett, W. H.; Sager, W.; Moher, M. J.; Blair, W. G.; Leacy, P.; Brennan, E. J.; Mahony, D.; MacNeill, J. G.; Angrove, R. H.; Case, J. W. T.; Brown, M. G.; Reid, F. L.; Grant, W. R.; Dowd, R. A.

Pediatrics.—Duffett, W. H.; Brown, M. G., Leacy, P., MacNeill, J. G., Taitt, D. J., equal; Cartar, T. F.; Case, J. W. T., McMillan, W. H., equal; Angrove, H. S.; Fitzsimmons, J. S.; Brown, W. E.; Brennan, E. J., Mahony, D., equal; Grant, W. R., Key, J. A., equal Bennett, T. D., Dowd, R. A., equal; Moxley, J. H.; Gordon, E. J., Sager, W., equal; Angrove, R. H.; Blair, W. G., Finlayson, C. M., Moher, M. J., equal.

Pathology.—Brown, W. E.; Gordon, E. J.; Angrove, H. S., Moher, M. J., equal; Cartar, T. F., Key, J. A., equal; Bennett, T. D.; Angrove, R. H.; Fitzsimmons, J. S., McMillan, W. H., equal; Duffett, W. H., Leacy, P., equal; MacNeill, J. G.; Kemp, J. H., Mahony, D., equal; Brown, M. G., Taitt, D. J., equal; Moxley, J. H.; Finlayson, C. M.; Blair, W. G., Dowd, R. A., equal; Case, J. W. T.; Sager, W.; Truesdell, A. W., equal.

Bacteriology.—Angrove, R. H.; Brown, M. G., Cartar, T. F., equal; Angrove, H. S., MacNeill, J. G., equal; McMillan, W. H.; Brown, W. E., Moxley, J. H., equal; Bennett, T. D.; Duffett, W. H., Key, J. A., equal; Leatherbarrow, A. T.; Mahony, D.; Fitzsimmons, J. S., Leacy, P., Moher, M. J., Reid, F. L., equal; Gordon, E. J.; Finlayson, C. M.; Blair, W. G., Taitt, D. J., equal; Case, J. W. T.; Dowd, R. A.; Sager, W.

Applied Anatomy.—Angrove, H. S.; Key, J. A.; McMillan, W. H.; Brown, W. E.; Cartar, T. F.; Bennett, T. D.; Dowd, R. A.; Taitt, D. J.; Case, J. W. T., Reid, F. L., equal; Moher, M. J.; Angrove, R. H., Duffett, W. H., equal; Brown, M. G., Sager, Wm., equal; Fitzsimmons, J. S.; Gordon, E. J.; Blair, W. G., Mahony, D., Moxley, J. H., equal; Leacy, P., Finlayson, C. M., equal; MacNeill, J. G.; Delaney, T. F.

Jurisprudence.—Duffett, W. H., McMillan, W. H., equal; Gordon, E. J.; Leacy, P.; Angrove, R. H.; Mahony, D., MacNeill, J. G., equal; Brown, M. G., Brown, W. E., equal; Cartar, T. F.; Finlayson, C. M., Angrove, S. H., equal; Taitt, D. J.; Moher, M. J.; Key, J. A.; Sager, W.; Fitzsimmons, J. S.; Blair, W. G.; Bennett, T. D.; Dowd, R. A.; Case, J. T. W.; Reid, F. L., Byers, D. P., equal.

3rd Year Standing and Examinations granted for Overseas Service.—Barnes, H. M.; Blair, J. H.; Crawford, E. C. A.; Denyes, G. F.; Fletcher, R. D.; Hicks, W. H.; Houston, J. F.; Kennedy, O. E.; Lumb, S. S.; Laughlen, G. F.; McGregor, R. R.; McIlroy, P. T.; McQuay, R. B.; O'Reilly, F. A.; Patterson, J. R.; Purvis, G. S.; Shorey, K. M.; Sills, G. L.; Stevenson, L. D.; Tennant, C. S.; Tucker, R. J.; Whytock, A. B.; Willoughby, J. B.

Fourth Year.

Practice of Medicine.—Denholm, K. A.; Boyce, G. T. G.; Carmichael, J., Edwards, W. V., Filson, R. M., Sargent, W. V., equal; Nixon, L. W.; Campbell, A. H.; Matheson, D. C.; Preston, G. J.; Hooper, Geo.; Fisher, R. H.; Waite, C. B.; Calnek, S. H., Martin, S. H., equal; Hagyard, H. C., Livingstone, D. M., equal; Burnett, N. L.; Coglon, M. F.; Plews, T. V.; Henry, G. A.; Delaney, T. F., Doyle, J. F., Donovan, C. R., equal; Brennan, E. J., Burnham, S. E., Kemp, J. H., Stackhouse, W. R., Leeds, J. H., Preston, H. F., equal; Little, Thos.

Clinical Medicine.—Carmichael, J., Edwards, W. V., Filson, R. M., Sargent, W. V., equal; Denholm, K. A., Matheson, D. C., equal; Boyce, G. T. G., Campbell, A. H., Fisher, R. H., Martin, S. H., equal; Livingstone, D. M., Nixon, L. W., Waite, C. B., equal; Hagyard, H. C.; Burnham, S. E., Calnek, S. H., Coglon, M. F., Henry, G. A., Hooper, Geo., Leeds, J. H., Preston, G. J., equal; Delaney, T. F.; Stackhouse, W. R., Kemp, J. H., equal; Donovan, C. R.; Burnett, N. L., Doyle, J. F., Brennan, E. J., Grant, W. R., Plews, T. V., Preston, H. F., equal; Thos. Little.

Surgery.—Edwards, W. V.; Fisher, R. H.; Sargent, W. V.; Denholm, K. A.; Leeds, J. H.; Livingstone, D. M., Filson, R. M., Carmichael, J., equal; Martin, S. H.; Nixon, L. W.; Preston, G. J., Matheson, D. C., equal; Campbell, A. H., Hooper, Geo., Boyce, G. T. G., equal; Coglon, M. F., Calnek, S. H., equal; Burnham, S. E.; Hagyard, H. C.; Henry, G. A.; Stackhouse, W. R., Plews, T. V., Doyle, J. F., Waite, C. B., equal; Delaney, T. F.; Donovan, C. R.; Burnett, N. L.; Truesdell, A. W.; Brennan, E. J.

Clinical Surgery.—Henry, G. A., Martin, S. H., equal; Edwards, W. V., Fisher, R. H., Denholm, K. A., Filson, R. M.; Truesdell, A. W., Waite, C. B., equal; Sargent, W. V., Leeds, J. H., Stackhouse, W. R., equal; Hagyard, H. C., Campbell, A. H., Burnham, S. E., Coglon, M. F., Carmichael, J., equal; Hooper, G., Livingstone, D. M., Matheson, D. C., Preston, G. J., equal; Delaney, T. F., Boyce, G. T. G., Byers, D. P., Brennan, E. J., Doyle, J. F., equal; Calnek, S. H., Burnett, N. L., Nixon, L. W., Donovan, C. R., Plews, T. V., Kennedy, D. L., equal; Preston, H. F., Grant, W. R., equal.

Obstetrics.—Fisher, R. H.; Sargent, W. V.; Livingstone, D. M., Campbell, A. H., equal; Filson, R. M.; Denholm, K. A.; Preston, G. J.; Matheson, D. C., Nixon, L. W., Edwards, W. V., equal; Leeds, J. H.; Burnham, S. E.; Truesdell, A. W., Carmichael, J., Hagyard, H. C., equal; Waite, C. B.; Henry, G. A.; Hooper, G.; Calnek, S. H.; Stackhouse, W. R.; Martin, S. H., Profitt, T. D., equal; Plews, T. V., Boyce, G. T. G., equal; Donovan, C. R., Brennan, E. J., Delaney, T. F., equal; Doyle, J. F., Little, Thos., equal; Coglon, M. F., Byers, D. P., equal; Preston, H. F.

Gynaecology.—Leeds, J. H.; Filson, R. M., Fisher, R. H., Livingstone, D. M., equal; Sargent, W. V.; Nixon, L. W.; Martin, S. H.; Burnham, S. E., Hooper, Geo., equal; Denholm, K. A.; Carmichael, J.; Waite, C. B.; Campbell, A. H.; Edwards, W. V.; Henry, G. A., Matheson, D. C., equal; Coglon, M. F.; Boyce, G. T. G., Delaney, T. F., equal; Calnek, S. H., Stackhouse, W. R., equal; Donovan, C. R.; Hagyard, H. C., Truesdell, A. W., equal; Burnett, N. L., Preston, G. J., equal; Doyle, J. F.; Preston, H. F.; Plews, T. V.; Little, Thos.; Profitt, T. D.

Applied Anatomy.—Preston, G. J.; Denholm, K. A.; Fisher, R. H.; Filson, R. M., Calnek, S. H., equal; Nixon, L. W., Edwards, W. V., equal; Hagyard, H. C.; Sargent, W. V.; Waite, C. B., Livingstone, D. M., equal; Campbell, A. H.; Delaney, T. F., Hooper, Geo., equal; Burnham, S. E.; Matheson, D. C.; Plews, T. V.; Coglon, M. F., Byers, D. P., Stackhouse, W. R., equal; Henry, G. A.; Martin, S. H.; Brennan, E. J.; Truesdell, A. W., Carmichael, J., equal; Profitt, T. D.; Donovan, C. R.; Leeds, J. H., Preston, H. F., equal; Burnett, N. L.; Boyce, G. T. G.

Pathology.—Denholm, K. A., Fisher, R. H., equal; Edwards, W. V.; Carmichael, J., Filson, R. M., Sargent, W. V., equal; Waite, C. B.; Coglon,

M. F.; Leeds, J. H.; Preston, G. J.; Nixon, L. W.; Livingstone, D. M.; Calnek, S. H.; Matheson, D. C.; Boyce, G. T. G.; Burnham, S. E.; Kemp, J. H., Stackhouse, W. R., equal; Campbell, A. H.; Hagyard, H. C.; Donovan, C. R.; Hooper, Geo.; Burnett, N. L., Plews, T. V., equal; Henry, G. A.; Delaney, T. F., Martin, S. H., Preston, H. F., equal; Doyle, J. F.; Kennedy, D. L.

Sanitary Science.—Edwards, W. V.; Leeds, J. H.; Filson, R. M., Fisher, R. H., Matheson, D. C., equal; Waite, C. B.; Carmichael, J.; Coglon, M. F.; Hooper, Geo.; Calnek, S. H.; Denholm, K. A.; Nixon, L. W.; Hagyard, H. C., Livingstone, D. M., equal; Campbell, A. H.; Martin, S. H., Sargent, W. V., equal; Plews, T. V.; Boyce, G. T. G.; Henry, G. A., Preston, G. J., Stackhouse, W. R., equal; Delaney, T. F., Kemp, J. H., equal; Proffitt, T. D.; Burnett, N. L.; Kerr, T. R.; Burnham, S. E., Donovan, C. R., equal.

Eye, Ear, Nose and Throat.—Carmichael, J., Waite, C. B., equal; Denholm, K. A.; Burnham, S. E., Edwards, W. V., equal; Martin, S. H.; Calnek, S. H.; Delaney, T. F., Sargent, W. V., equal; Filson, R. M.; Nixon, L. W., Stackhouse, W. R., equal; Leeds, J. H.; Campbell, A. H.; Hagyard, H. C., Henry, G. A., equal; Livingstone, D. M.; Preston, G. J.; Fisher, R. H., Matheson, D. C., equal; Coglon, M. F.; Hooper, Geo.; Doyle, J. F.; Boyce, G. T. G., Kemp, J. H., Preston, H. F., equal; Donovan, C. R.; Plews, T. V.

Mental Diseases.—Boyce, G. T. G.; Carmichael, J.; Fisher, R. H.; Martin, S. H.; Coglon, M. F.; Matheson, D. C.; Denholm, K. A.; Filson, R. M., Nixon, L. W.; Livingstone, D. M., Plews, T. V., equal; Hooper, Geo.; Calnek, S. H.; Campbell, A. H.; Donovan, C. R.; Stackhouse, W. R., Waite, C. B., equal; Preston, G. J.; Brennan, E. J., Henry, G. A., equal; Edwards, W. V.; Doyle, J. F.; Leeds, J. H.; Hagyard, H. C.; Burnham, S. E., Byers, D. P., Truesdell, A. W., equal; Sargent, W. V., Delaney, T. F.

Therapeutics.—Leeds, J. H., Denholm, K. A., equal; Edwards, W. V., Fisher, R. H., Hooper, Geo., equal; Sargent, W. V.; Martin, S. H., Matheson, D. C., Preston, G. J., equal; Nixon, L. W., Waite, C. B., equal; Coglon, M. F.; Calnek, S. H., Campbell, A. H., equal; Filson, R. M.; Boyce, G. T. G., Kerr, T. R., equal; Hagyard, H. C.; Livingstone, D. M.; Burnham, S. E.; Carmichael, J., Truesdell, A. W., equal; Plews, T. V.; Delaney, T. F.; Preston, H. F.; Henry, G. A.; Byers, D. P.; Proffitt, T. D.; Doyle, J. F.; Donovan, C. R.

Fifth Year.

Medicine.—Bell, D. E.; Denholm, K. A.; Edwards, W. V.; Filson, R. M.; Collier, R. D.; Carmichael, J.; MacDougall, L. M.; McKendry, I. R.

Surgery.—Bell, D. E.; Carmichael, J., Filson, R. M., equal; Edwards, W. V.; Denholm, K. A.; Collier, R. D.; McKendry, I. R.; Doyle, J. F., MacDougall, L. M., equal.

Midwifery.—Bell, D. E.; Carmichael, J.; Filson, R. M.; Edwards, W. V.; Denholm, K. A.; Collier, R. D.; Doyle, J. F.; MacDougall, L. M.; McKendry, I. R.

FACULTY OF EDUCATION.

Honour Lists, April, 1915.

Advanced Course.—Johnston, Agnes E., B.A.; Adamson, W. H., M.A.; MacMinn, Marie, B.A.; Ferguson, A. W., B.A.

General Course.—McNeill, W. G., B.A.; Lockett, H. G., M.A.; Mowat, J. H., B.A.; Thompson, A. E., B.A.; Hume, Annie, B.A.; Johnson, W. C., B.A.; Davidson, R. D. P., B.A.; Hubbs, Mary, B.A.; Walls, Lillian; Smith, Margaret, B.A.; Bush, A. R., B.A.; Ryan, Mae, B.A.; MacKay, Katharine, B.A.

Medals.

Advanced Course.—Agnes E. Johnston, B.A.

General Course.—W. G. McNeill, B.A.

Interim High School Specialists' Certificates.

Axford, B. W.	English and History	St. Thomas.
Bush, A. R.	Mathematics	Consecon.
Cameron, J. H.	Classics	Pembroke.
Davidson, R. D. P.	Science	Camborne.
Dewar, Nora	Classics	Ottawa.
Gilhooly, Beatrice	English and History	Ottawa.
Green, W. H. H.	Science	Rainy River.
Howson, B. F.	Mathematics & Physics	Arthur.
Hay, W. D.	Science	Vankleek Hill.
Hubbs, Mary W.	French and German	Bloomfield.
Hume, Annie I.	English and History	Campbellford.
Johnson, W. C.	English and History	Lyndhurst.
Johnston, Agnes E.	Moderns and History	Gananoque.
Medcof, J. L.	Science	Hartington.
Mowat, J. H.	English and History	Warkworth.
MacMinn, Marie	Moderns and History	Ottawa.
McNeill, W. G.	English and History	Kerrwood.
Reynolds, Myrtle V.	Moderns and History	London.
Robertson, Mattie B.	French and German	Peterborough.
Stewart, Ruth	Moderns and History	Hillier.
Thompson, A. E.	Mathematics & Physics	Bornholm.
Turner, A.	Classics	Brockville.
Warren, Violet	English and History	Whitechurch.

Pass Lists.

Advanced Course.—Adamson, W. H.; Cumming, Eva M.; Ferguson, A. W.; Hay, W. D.; Hill, K. S.; Johnston, Agnes E.; MacMinn, Marie; Plummer, Frances P.; Robertson, Mattie B.; Turner, A.

General Course.—Aherne, M. Irene; Axford, B. W.; Bryan, C. A.; Butler, Edna M.; Bullock, V. E.; Bush, A. E.; Chalmers, C. Maude; Clarke, H. V.; Cummings, Mary V.; Chown, May L.; Dyde, Myra F.; Davidson, R. D. P.; Elliott, Florence M.; Elmer, Margaret T.; Fugere, J. A.; Gardiner, Margaret Mae; Gillan, Kathleen; Green, W. H. H.; Harkness, A. E.; Hayward, Rhoda; Henderson, S.; Holmes, Jessie R.; Hubbs, Mary W.; Hume, Annie I.; Johnson, W. C.; Lockett, H. G.; Madden, Edna J.; Manhard, Ethel F. M.; Medcof, J. L.; Minnes, A. Eleanor; Morrow, A. S.; Mowat, J. H.; MacKay, Katharine; McCusker, Katie;

McLeod, Ruth; McNeil, W. G.; Philip, J. H.; Reaman, G. E.; Rolston, Ella G.; Rolston, Eva E.; Rutledge, Evelyn M.; Ryan, Mae H.; Sangster, Grace; Scott, A. G.; Shields, Jean; Shorey, P. M.; Sillers, Roberta M.; Smith, Eleanor; Smith, Margaret; Spooner, Nellie; Stewart, Ruth; Stillwell, Laura; Thompson, A. E.; Wallace, Minnie G.; Walker, Alice B.; Walls, Lillian; Whelan, Anna M.; Wilson, Laura E.; Wingard, Kathleen; Young, Marion.

Interim Second Class Certificate.

Brigginshaw, Mary Helena, Toledo.

Courses for Degree of Doctor of Pedagogy.

Educational Psychology.—Huff, Samuel, B.A.; Keyes, S. J.; Jones, F. A., B.A.

School Administration.—Huff, Samuel, B.A.; Keyes, S. J., B.A.; Jones, F. A., B.A.

Section B (former regulations).—Hutchinson, J. M., B.A.

Section A (former regulations).—Edwards, C. H., B.A.; Karr, W. J., B.A.

Courses for the Degree of Bachelor of Pedagogy.

History of Education.—Stevenson, A., B.A.

Science of Education.—Stickle, W.A., B.A.

Educational Psychology.—Stickle, W. A., B.A.

Section A (former regulations).—Colquhoun, A. D., B.A.; Norris, J. C., M.A.

Degree of Bachelor of Pedagogy.

Norris, J. C., M.A., North Bay. Ont.

QUEEN'S THEOLOGICAL COLLEGE.

Matriculation, October, 1914.

Hebrew.—Wedderburn, J. F.; Laing, J. G.; Cornett, J. S.; Scott, W. J.; Frank, E.; Burry, J. H.; Caverhill, P. C.; McFadden, H. J.

Church History.—Wedderburn, J. F.; Cornett, J. S.; Laing, J. G.; Scott, W. J.; Caverhill, P. C.; Burry, J. H.; Frank, E.

Divinity.—Frank, E.; Burry, J. H.; Cornett, J. S.; Laing, J. G.; Scott, W. J.; Caverhill, P. C.; Wedderburn, J. F.; McFadden, H. J.

Supplemental, 1914.

Church History.—Bannerman, W. G.

Hebrew.—Caverhill, P. C.

B.D., October, 1914.

New Testament.

Hebrews.—Mackinnon, J.; Wilson, A. J.

Romans.—Chambers, L. P.

Theology of Paul.—Muttitt, L. A.

Holy Scripture.—Chambers, L. P.; Black, B. S.

Systematic Theology.

Schleiermacher.—Wilson, A. J.; Barnard, A. T.

Mackintosh (Person of Christ).—Muttitt, L. A.; Wilson, A. J.; Mackinnon, J.; Barnard, A. T.

History of Religions.—Chambers, L. P.

Hort and Hatch.—Black, B. S.

Old Testament.

Holy Scripture.—Chambers, L. P.; Mackinnon, J.; Wilson, A. J.; Black, B. S.

Documentary Theory.—Wilson, A. J.

Church History.

Mackintosh.—Barnard, A. T.

Sessional Examinations, April, 1915.

Systematic Theology—Third year, Div. I—Muttitt, L. A.; Chambers, L. P.;

White, S. A.; Dobson, W.; Matheson, A. D.

Div. II—Wilson, A. J.; Mackinnon, J.

Div. III—Caswell, J. T.

Second year, Div. I—Lavers, O. R.; McCrae, J. D.

Div. II—Flemming, L. M.; Morrison, A. B.; McLeod, J. P.

Div. III—Bruce, R.; Laird, J. M.; Mackay, J. I.; Mackinnon, R. H.;

Mitchell, G. C., Bannerman, W. E., Shannon, H., equal.

First year, Div. I—Frank, E.; Ballard, C. H.

Div. II—Wedderburn, J. F.; Corkill, E. F.; Caverhill, P. C.; Cornett, J. S.; Scott, W. J.; Laing, J. G.

Div. III—Burry, J. H.; McInnes, W.; McFadden, W. J.; Graham, C. G.

Allowed Special—Milliken, F. S.; Macdonnell, J. S.

History of Religion—Div. I—Lavers, O. R.; Flemming, L. M.; McCrae, J. D.; McLeod, J. P.; Mackay, J. I.; Laird, J. M.; Morrison, A. B.

Div. II—Bruce, R.; Mitchell, G. C.; Mackinnon, R. H.; Shannon, H.; Bannerman, W. E.

Senior Hebrew.—Div. I—Laing, J. G.

Div. II—Frank, E.; Lavers, O. R.

Div. III—Scott, W. J.; Muttitt, L. A.; McKay, J. I.

Junior Hebrew.—Div. II—Cornett, J. S.; Ballard, C. H.; Corkill, E. F.

Old Testament Criticism and Exegesis—Third year, Div. I—Chambers, L. P.; White, S. A.; Muttitt, L. A.; Mackinnon, J.; Dobson, W.; Wilson, A. J.; Matheson, A. D.

Special Paper—Caswell, J. T.

Second year, Div. I—Lavers, O. R.; McCrae, J. D.; Laird, J. M.

Div. II—Bruce, R., Flemming, L. M., Mackinnon, R. H., equal; Morrison, A. B.; Bannerman, W. E.

Div. III—Mackay, J. I., Mitchell, G. C., equal; Shannon, H.; McLeod, J. P.

First year, Div. I—Cornett, J. S.; Wedderburn, J. F.; Frank, E.; Caverhill, P. C., Laing, J. G., equal.

Div. II—Corkill, E. F., Scott, W. J., equal; Ballard, C. H.

Div. III—Burry, J. H.; McFadden, W. J.; McArthur, C. P.; Graham, C. G.; McInnes, W.

Allowed Special—Milliken, F. S.; McDonnell, J. S.

New Testament Criticism—Third year, Div. I—Chambers, L. P.; White, S. A.; Dobson, W.; Muttitt, L. A.; Mackinnon, J.

Div. II—Wilson, A. J.; Matheson, A. D.

Div. III—Caswell, J. T.

Second Year, Div. I—Flemming, L. M.; Lavers, O. R.; McCrae, J. D.

Div. II—Laird, J. M.; Bruce, R.; Mackinnon, R. H., Morrison, A. B., equal; McLeod, J. P.; Bannerman, W. E.

Div. III—Mitchell, G. C., Mackay, J. I., equal; Shannon, H.

First Year, Div. I—Frank, E.; Caverhill, P. C., Cornett, J. S., equal; Wedderburn, J. F.; Ballard, C. H.

Div. II—Laing, J. G.; Corkill, E. F.; Scott, W. J.; Burry, J. H., Graham, C. G., equal; McFadden, W. J.

Div. III—McArthur, C. P.; McInnes, W.

Allowed Special—Milliken, F. S.; Macdonnell, J. S.

Church History—Third year, Div. I—Chambers, L. P.; White, S. A.; Muttitt, L. A.; Dobson, W.

Div. II—Mackinnon, J.; Wilson, A. J.; Matheson, A. D.

Div. III—Caswell, J. T.

Second year, Div. I—Lavers, O. R., Flemming, E. L., equal; Laird, J. M.

Div. II—McCrae, J. D., Mackay, J. I., equal; McLeod, J. P.; Mitchell, G. C.

Div. III—Morrison, A. B.; Mackinnon, R. H.; Bruce, R.; Shannon, H.; Bannerman, W. E.

First year, Div. I—Cornett, J. S.; Frank, E., Wedderburn, J. F., equal; Caverhill, P. C., Laing, J. G., equal.

Div. II—Corkill, E. F.; Scott, W. J.; McFadden, W. J., Ballard, C. H., equal.

Div. III—McInnes, W.; Burry, J. H.; Graham, C. G.; McArthur, C. P.

Allowed Special—Milliken, F. S.; Macdonnell, J. S.

Practical Theology—Second year, Div. I—Lavers, O. R.; McCrae, J. D.; Laird, J. M.; Flemming, L. M.; Mackinnon, R. H.; Mackay, J. I.; Bannerman, W. E.

Div. II—Morrison, A. B.; Mitchell, G. C.

Div. III—Bruce, R.; Shannon, H.

First year, Div. I—Cornett, J. S.; Ballard, C. H., Corkill, E. F., equal; Frank, E.; Scott, W. J.; Laing, J. G.; Caverhill, P. C.; Burry, J. H.; McInnes, W.

Div. II—Wedderburn, J. F.; Graham, C. G.; McArthur, C. P.; McFadden, W. J.

Public Speaking—First year, Div. I—Cornett, J. S.; McInnes, W.; Frank, E.; Laing, J. G.; Wedderburn, J. F.; Ballard, C. H.

Div. II—Scott, W. J.; McArthur, C. P.; Burry, J. H.

Div. III—Corkill, E. F., Caverhill, P. C., equal; Milliken, F. S.; Graham, C. G., McFadden, W. J., Macdonnell, J. S., equal.

Second year, Div. I—McLeod, J. P.; Flemming, L. M.; McCrae, J. D.; Shannon, H.; Lavers, O. R.

Div. II—Bannerman, W. E., Morrison, A. B., Mackay, J. I., equal; Bruce, R.

Div. III—Mackinnon, R. H.; Laird, J. M.; Mitchell, G. C.

B.D.

Holy Scripture.—Old Testament.—White, S. A.; Muttitt, L. A.

Holy Scripture, New Testament.—White, S. A.; Muttitt, L. A.; McKinnon, J.; Wilson, A. J.

Old Testament Criticism, Documentary Theory—Muttitt, L. A.; McKinnon, J.

Old Testament Aramaic—White, S. A.

Deutero-Zechariah—White, S. A.; Muttitt, L. A.; Lavers, O. R.; McCrae, J. D.; Laird, J. M.; Morrison, A. B.

New Testament Criticism.—Hebrews.—Chambers, L. P.; White, S. A.; Muttitt, L. A., McCrae, J. D., equal; Laird, J. M.; Flemming, L. M.; Lavers, O. R.

Introduction.—Chambers, L. P.; Flemming, L. M.; McCrae, J. D., McKinnon, J., equal; Morrison, A. B.; Wilson, A. J.; Laird, J. M.; MacKinnon, R. H.

Theology of Paul—Chambers, L. P.

Romans—Raney, W. H. (x); White, S. A.; Barnard, A. T. (x).

Systematic Theology—History of Religion—Muttitt, L. A.

Schleiermacher—Muttitt, L. A.

Watson—Muttitt, L. A.; Chambers, L. P.; Matheson, A. D.; Lavers, O. R.; Morrison, A. B.; Flemming, L. M.

Church History—Apostolic Fathers (a)—Chambers, L. P.; Flemming, L. M.; Barnard, A. T. (x); Matheson, A. D.; McCrae, J. D.

Apostolic Fathers (b)—Barnard, A. T. (x).

Eastern Church—Chambers, L. P.

Scottish Church History—Boyd, A. M. (x).

LIST OF STUDENTS, 1914-15.

FACULTY OF ARTS.

NAME	Year of Attendance.	Summer Residence.	Where Educated
Abbott, W. E.	4	Marysville	Deseronto H. S.
Abernethy Flora E..	5	Kingston	Kingston C. I.
Abernethy, Hazel L.	2	Kingston	Kingston C. I.
Adams, J. G.	6	Cardinal	Iroquois H. S.
Allen, Vera G.	1	Whitby	Whitby C. I.
Allison, A. E.	1	Vankleek Hill	Vankleek Hill C. I.
Alp, W. P.	3	Baltimore, Ont.	North Bay H. S.
Anderson, Mabel ...	4	Kingston	Kingston C. I.
Anglin, Mary	4	Kingston	Kingston C. I.
Appleby, L. H.	2	Clarendon	Renfrew C. I.
Argue, E. Laura ...	4	Ottawa	Arnprior H. S.
Armstrong, Emily . .	1	Belleville	Belleville H. S.
Arnold, H. G.	3	Grimsby	Toronto C. I. (Riverdale)
Armstrong, H. E. ..	2	Toronto	Warkworth & Cobourg H. S.
Arnold, Eleanor	1	Berlin, Ont.	St. Anne's H. S.
Arnott, Audrey R. . .	1	Belleville	Belleville H. S.
Arroll, E. B.	3	Telfordville	Westminster Hall, Vancouver.
Asselstine, R. Mc...	5	Collins Bay	Kingston C. I.
Austin, H. F.	2	Tottenham	Tottenham H. S.
Awde, E. O.	2	Aylmer	Cayuga H. S.
Aylesworth, J. B. ..	1	Newburgh	Newburgh Academy.
Baldwin, P. M.	7	Ottawa	Crossley Sch., Halifax, Eng.
Balfour Winnifred . .	4	Hamilton	Hamilton C. I.
Balfour, H. E.	2	Edmonton, Alta.	Lindsay C. I.
Ball, A. N.	5	Regina, Sask.	Grenfell H. S.
Ball, R. J.	1	Uxbridge	Uxbridge H. S.
Ball, W. N.	3	Uxbridge	Uxbridge H. S.
Barber, I. G.	2	Villa Nova	Waterford and Simcoe H. S.
Barlow, H. C.	3	Belleville	Belleville H. S.
Baugh, F. H. C.	3	Melville, Sask.	Moosomin C. I.
Baumgartner, F. W. .	1		Politechnic Sch. in Zurich & Univ. Bern.
Baxter, Helen	2	Kingston	Kingston C. I.
Beamer, L. H.	4	Flint, Mich., U.S.A..	Tillsonburg H. S., Stratford.
Beatty, A. J.	3	Kingston	Orangeville.
Beers, Annie	3	Belfountain.	Brampton H. S.
Beeshy, M. I.	3	Ridgeway	Ridgeway Cont. School.
Bell, A.	4	Ninga, Man.	Man. P. S. & Tor. Univ.
Bell, J. A.	2	Niagara Falls	Lucan H. S.
Benger, Irene	4	Port Arthur	Port Arthur H. S.
Bennie, J. A.	7	Oungah	Chatham H. S.
Bennett, J. G.	6	Charlottetown, P.E.I.	Atherton H. S., P. W. College.
Bennett, W. G.	3	Calgary, Alta.	Brantford C. I.

NAME	Year of Attend- ance.	Summer Residence.	Where Educated.
Bernard, R. H.	4	Denholm, Sask.	Sherrys College and Private Tuition.
Berney, Laura	8	Kingston	Athens H. S.
Berry, W. E.	1	Madawaska	Brockville C. I.
Biggs, E. W.	3	Dauphin, Man.	Westbury County Sch., Cultam Training Col- lege, England.
Bissell, R. P.	3	Clarenceville, Que. ..	Clarenceville Acad.
Black, J. J.	3	Redvers, Sask.	Presby. Coll., Montreal, Que.
Black, W. N. D.	2	Kingston	Kingston C. I.
Black, Zelma	3	Gladmar, Sask.	Weyburn H. S.
Blair, W. G.	4	Fullbrook	Perth C. I.
Blakey, E. J.	1	Kingston	Regiopolis College.
Bogart, Flossie	2	Kingston	Kingston C. I.
Bole, Abbie	3	West Lorne	Dutton, H. S.
Bolton, F. R.	2	Ottawa	Ottawa C. I.
Bond, Annie	3	Kingston	Kingston C. I.
Bonsfield, C. E.	2	Jarvis	
Bonchard, Mary A. .	1	Alexandria	Alexandria H. S.
Boucher, L. E.	2	Carp	Carp H. S.
Boulton, Rev. W. . .	4	Vancouver, B.C.	Walsall Science and Art Inst.
Bowes, M.	4	Ingersoll	Ingersoll C. I.
Boyd, Rev. A. M. . .	5	Thamesville	Tharssal H. S.
Boyd, A. A.	1	Port Arthur	Port Arthur H. S.
Bradshaw, Phyllis .	1	Harrowsmith	Sydenham H. S.
Braithwaite, B.	4	Esterhazy, Sask.	Private Tuition.
Branion, J. H.	2	Aylmer	Aylmer H. S.
Brethern, Claude . .	3	Napanee	Napanee C. I.
Bridgman, Norma . .	3	Welland	Welland H. S.
Broad, S. J.	3	Calgary, Alta.	Private.
Brown, Hilda	1	Toronto	Bonavista H. S.
Brown, G. W.	3	Lyn.	Brockville C. I.
Brown, W. T.	1	Waterford, Ireland .	Bishop Foy H. S. and Waterford.
Brown, R. G.	2	Caintown	Athens H. S.
Brubacher, H. B. . .	1	Elmira	Berlin C. I.
Bruce, H. H.	6	Lethbridge, Sask. . .	Collingwood C. I.
Bryce, W.	4	Toronto	Peterboro C. I.
Brydon, Lucy	4	Calgary, Alta.	Calgary H. S.
Bulger, V.	1	Saskatchewan	Athens H. S.
Buller, C. E.	2	Thamesville	Chatham C. I.
Bumsted, W. F.	1	Toronto	Harsmonden School, Kent, Eng.
Bureau, Isabel	5	Kingston	Kingston C. I.
Burry, J. H.	5	Kingston	Skerry's Coll., Dundee, Scotland.
Burton, V.	2	Perth	Perth C. I.
Butcher, C. W.	5	Nanticoke	Simcoe H. S.
Butson, W. G.	1	Bowmanville	Seaforth C. I.
Byles, S. R.	1	Perdue, Sask.	
Calder, L. R.	4	Lanaimo, B.C.	Moosomin P. S.

NAME	Year of Attendance.	Summer Residence.	Where Educated.
Caldwell, H. G.	3	Ottawa	Ottawa C. I.
Cameron, J. G.	6	Kingston	Perth C. I.
Cameron, M.	4	Bekewar, Sask.	Strathroy C. I.
Cameron, J. H.	6	Pembroke	Newburgh H. S.
Campbell, H. B.	4	Maynooth	Hamilton C. I.
Campbell, H. M.	1	Grimsby	Jarvis C. I., Toronto.
Campbell, Jessie	1	Ottawa	Ottawa C. I.
Campbell, Ruth	4	Ottawa	Ottawa C. I.
Campbell, W. A.	3	Durham	Durham C. I. and Meaford H. S.
Campbell, W. A. M. . .	3	Iroquois	Man. Coll. & Man. Uni.
Campbelle, W. R.	1	Regina, Sask.	Winchester H. S.
Campsall, E. G.	1	Harrowsmith	Sydenham H. S.
Caron, G. A.	3	Montreal, Que.	Lachute Acad.
Carroll, G. K.	1	Saskatchewan	Catholic Univ. Sch., Dublin.
Carroll, W. I.	1	Sarnia	Sarnia C. I.
Carson, C. O.	1	Morrisburg	
Carson, H. C.	4	Morrisburg	Cornwall H. S.
Carty, J. J.	3	Kingston	Athens H. S.
Castleman, Hilda . . .	2	Cornwall	Cornwall H. S.
Cattanach, Mabel L. .	1	Bloomfield	Williamstown H. S.
Cattancah, J. A.	3	Williamstown	Williamstown H. S.
Cavell, H. E.	3	Toronto	Listowell H. S.
Caverhill, H. J.	4	Ilderton	London C. I.
Caverhill, P. C.	5	Ilderton	London C. I.
Chalmers, Maud	4	Sudbury	Sudbury H. S.
Chalmers, G. H.	7	Constantinople	Robert's College, Constantinople.
Chapin, H. E.	1	Brockville	Brockville C. I.
Chown, Bessie	4	Kingston	Kingston C. I.
Chown, Dorothy	2	Kingston	Kingston C. I.
Chown, Elizabeth . . .	4	Kingston	Central H. S., Washington, D.C.
Chown, Olive	4	Kingston	Kingston C. I.
Chown, Wilbur	2	Kingston	Kingston C. I.
Churchill, G.	5	Plain View, Sask.	Hemmingford Mod. Sch.
Clapp, Berenice E. . . .	2	Picton	Picton C. I.
Clark, Evelyn B.	7	Bath	Napanee C. I.
Clark, E. S.	1	Yorkton, Sask.	Yorkton H. S.
Clark, F. H.	1	Rhein, Sask.	Belleville H. S.
Clarke, G. H. T. N. . .	2	Brooklyn, N.Y.	St. Mary's College, Trinidad.
Clark, J. M.	3	Scugog	Norwood and Lindsay.
Clark, Olive M.	4	Mountain	Kemptville H. S.
Cliffe, H. P.	2	Sault Ste. Marie	Sault Ste. Marie H. S.
Clement, W. J.	6	Kelowna, B.C.	
Clinton, Myrtle J. . . .	1	Bloomfield	Picton H. S.
Clinton, Nell M.	2	Bloomfield	Bloomfield P. S.
Clough, Elsie	1	Kingston	Sydenham H. S.
Cochrane, Lilyan	4	Gananoque	Gananoque H. S.
Cohoon, Gladys I. . . .	1	Ottawa	Ottawa C. I.
Cole, R. Maude	7	Gilbert Plains, Man.	Hawkesbury H. S.
Coley, C. E.	3	N. Birmingham, Eng.	Hales Owen Gram. Sch., England.

NAME	Year of Attend- ance.	Summer Residence.	Where Educated.
Clothier, J.	1	Kemptville	
Coley, A. F.	3	Mossbank, Sask.	Dudley Tech. Sch., Eng- land.
Connal, P.	2	Kingston	Westminster Hall, Van- couver, B. C.
Connell, C. H. C.	4	Kingston	Kingston C. I.
Conning, W. C.	4	Manitowishong Isl. O.	Liverpool Institute, England.
Conway, Irene	1	Brighton	Uxbridge C. I.
Coogan, Margaret ..	6	Lindsay	Cobourg C. I. and St. Jos. Acad., Toronto.
Cooke, Ella May ..	2	Kingston	Kingston C. I.
Cooke, Violet	1	Williamstown	Williamstown C. I.
Coon, Eva	2	Elgin	Bishop Strachan's.
Cooney, J. J.	1	Grafton	Jarvis C. I., Toronto.
Corman, H. E.	1	Caledonia	Caledonia H. S.
Cormack, Jean H. ..	2	Vars	Ottawa Ladies' College.
Cornett, J. S.	6	Kingston	Kingston C. I.
Cornett, W. G.	1	Kingston	Kingston C. I.
Costain, H. H.	3	Ponaka, Alta.	Prince of Wales Coll.
Costin, Carrie L. ..	2	Princeton	Woodstock C. I.
Contrymann, Hazel B	1	Aultsville	Morrisburg C. I.
Countryman, J. G. ..	3	Chesterville	Morrisburg C. I.
Coventry, Nellie V. .	3	Valor, Sask.	Morewood H. S.
Cowan, D. R. G.	2	Thornton	Bradford H. S.
Coward, G.	1	Kingston	Kingston C. I.
Cowie, J. E.	7	Neudorf, Sask.	Strathroy C. I.
Craig, H. A.	2	Smith's Falls	Smith's Falls H. S.
Creighton Phyllis O.	1	Regina, Sask.	Regina C. I.
Creighton, T. M.	5	Saskatoon, Sask.	Lucan H. S.
Cross, Dora	1	Ottawa	Ottawa C. I.
Cruess, L.	4	Lindsay, Ont.	Lindsay C. I.
Cruikshank, Margaret C.		Dorchester, Mass. ..	Girls' High School, Boston.
Cumberland, R. W. .	1	Stella	Stella Cont'n School.
Cumming, D. A.	1	Milestone, Sask.	Picton Acad.
Cumming, L. R.	3	Ottawa	Brockville C. I.
Cummings, Maude .	6	Guelph	Loretto Abbey, To- ronto.
Cunningham, J. A. ..	2	Victoria, B.C.	Victoria College, To- ronto.
Curry, H. E.	1	Kingston	Victoria College, To- ronto.
Curtin, Gertrude ...	2	Marver, Sask.	Kemptville H. S. and Listowel H. S. and Guelph C. I.
Daley, B. D.	1	Kingston	Regiopolis, Coll., King- ston.
Daly, F. G.	5	Lloydminster, Sask.	Kingston C. I.
Dancey, P. M.	8	Ameliasburg	Picton H. S.
Davidson, R. G.	2	Brighton	Brighton H. S.
Davidson, R.	3	Toronto	Jarvis C. I., Toronto.
Davis, Rev. C.	1	North Portal, Sask.	Islington Bham, Eng- land.

NAME	Year of Attendance.	Summer Residence.	Where Educated.
Dawson, Helen C. B.	5	Ottawa	Ottawa C. I.
Day, F. G.	3	Edmonton, Alta.	Orillia C. I.
Denny, J. D.	12	Ottawa	Ottawa C. I.
Dennison, N. M.	1	Portsmouth	Kingston C. I.
Dempsey, E. J.	1	Stratford	Stratford C. I.
Denyes, G.	3	Odessa	Oakville H. S.
Derick, L. H.	2	Clarenceville, Que.	Lachute Academy.
Dersch, Stella	2	Macleod, Alta.	Macleod H. S.
DesRochers, A.	6	Kingston	Regiopolis College.
Detlor, W. P.	2	Bath	Napanee C. I.
Detweiler, N. D.	6	Regina, Sask.	Galt C. I.
Devereaux, A. J.	1	Tynehead, B.C.	Columbia College.
Dewar, Nora	4	Ottawa	Ottawa C. I.
De Wolfe, Edna	3	Portland	Athens H. S.
Dillon, Elizabeth	7	Guelph	Loretto Convent.
Dickson, B. T.	4	Brantford	Newark Sci. Sch., Tech. Sch., Leicester, London University.
Dodds, L. R.	3	Perth	Perth C. I.
Donaldson, A.	2	Peterboro	Presby. Coll., Montreal, Que.
Donaldson, H. T.	4	Millbrook	Port Hope & Lindsay.
Donnelly, Mina	2	Athens	Brockville C. I.
Doohar, Helen	4	Lombardy	Smith's Falls H. S.
Douglas, A. C.	2	Chesley	Chesley H. S.
Downing P. W.	6	Hillhurst, Cal.	Goldsmith's Coll., Univ. of London.
Dowsett, R. E.	4	Portland	Smith's Falls H. S.
Drader, R. E.	2	Edmonton, Alta.	Edmonton H. S.
Dunbar, J.	7	Vancouver, B. C.	Stratford C. I.
Duncan, J. S.	3	Grand View, Man.	Portage La Prairie C. I.
Dunlop, E. Irene	10	Kingston	Kingston C. I.
Dunlop, J. J.	4	Williamstown	Williamstown H. S.
Dunn, S. R. A. L.	10	London	Ingersoll C. I. and Sr. Joseph's Convent.
Dyer, J. J.	1	London	Woodstock C. I.
Dyde, Jessie	3	Kingston	Kingston C. I.
Eadie, W. M.	4	Plattsville	Brantford C. I.
Eagleson, F. B.	1	Ottawa	Ottawa C. I.
Eaton, O. J.	1	Toronto	Parkdale C. I., Tor.
Eby, Bessie,	5	Kingston	Kingston C. I.
Edwards, H. L.	2	Souris, Man.	Souris C. I., Man.
Edwards, J. W.	3	Cataraqui	Kingston C. I.
Ellenson, I. M.	5	Toronto	Kingston C. I.
Elliott, W. S.	3	Wolseley, Sask.	Moosomin C. I.
Ellis, E. J.	1	Fleming, Sask.	Pub. School, Sask.
Ellis, G. H.	2	Kamloops, B. C.	Kamloops H. S.
Elmer, Grace M.	1	Kingston	Hamilton C. I.
Emery, G. A. R.	1	Kingston	Kingston C. I.
Entwistel, R. G.	3	Almonte	Alderman Newton's School, Leicester.
Erb, W. O.	3	New Hamburg	Berlin C. I.

NAME	Year of Attend- ance.	Summer Residence.	Where Educated.
Erwin, J. H.	2	Egbert	Alliston H. S.
Erwin, W. M.	4	Simcoe	Waterford and Simcoe H. S.
Ettinger, G. H.	3	Kingston	Kingston C. I.
Ettinger, K. F.	5	Reklaw, Sask.	Kingston C. I.
Evans, J. J.	10	Toronto	Walkerton H. S.
Eastman, H. B.	5	Ottawa	Kemptville H. S. North Gower Con. Class.
Fair, Flora	4	Kingston	Kingston C. I.
Fairbairn, C. V.	2	Ventnor	Kemptville H. S.
Fairbairn, Helen G. .	3	Spencerville	Kemptville H. S.
Farrell, Elizabeth I. .	1	Moosomin, Sask.	Moosomin C. I.
Fee, N.	2	Ottawa	Study Vera, Ottawa.
Fenton, Sarah H.	1	Oak Lake, Man.	
Ferguson, A. W.	5	Cobourg	Cobourg C. I.
Ferguson, Claude . .	3	Kingston	Prescott H. S.
Ferguson, Evalena . .	2	Picton	Picton C. I.
Ferguson, K. F. B. .	1	Massey Station	St. Margaret's Coll., Toronto.
Finlay, Vera	3	Norwood	Norwood H. S.
Ferris, Hilda W. . . .	1	Redvers, Sask.	Buckingham Academy.
Finlayson, J. A.	3	Dutton	Dutton H. S.
Finlayson, Ella M.W. .	2	Tisdale, Sask.	Pickering College.
Fisk, Etta L.	3	Ansley, Nebraska.	Ansley H. S.
Flanagan, G. E.	2	Avonmore	Avonmore H. S.
Fleming, H. R.	4	Kingston	Regiopolis College.
Fleming, J. T.	4	Dauphin, Man.	Dauphin C. I.
Fleming, Lulu	3	Kingston	Notre Dame Convent,
Fletcher, Rev. E. H. .	4	Bungeo, Nfld.	Palfrey Sch., Sci. and Art; Warminster Theo. Coll., Eng.
Foley, R. S.	5	Toronto	Regiopolis College.
Folger, H. P.	2	Kingston	Kingston C. I.
Foot, Rev. W. R.	2	Kanto	Academy in N.S., Can.
Forester, Margaret . .	5	Bath	Napanee C. I.
Forbes, E. V.	4	Truro, N.S.	North Battleford, Sask.
Forbes, J. E.	4	Truro, N.S.	North Battleford, Sask.
Foreman, Edith A. . .	4	Collingwood	Collingwood C. I. and Toronto University.
Foreman, Kathleen . .	5	Granton	Stratford C. I.
Fraser, A. C.	1	Boularderie, N.S.	Kempt Head.
Fraser, Amy Mc.	2	Strongfield, Sask.	Whitby H. S.
Fraser, Enid	2	Odessa	Napanee C. I.
Fraser, Frances H. G. .	3	Kingston	St. Agnes School, Belle- ville.
Fraser, Jessie D. . . .	1	Bradford	Bradford H. S. Jarvis C. I., Toronto.
Fraser, Myrtle B. . . .	1	Morewood	Morewood H. S.
Fraser, W. G. B.	4	Parry Sound	Alberta College.
Fraser, D. G.	1	Natal, B.C.	Orangeville H. S.
Fraser, Mary C.	1	Cochrane	Whitby College.
Forth, Gertrude E. . .	1	Glen Buell	Brockville C. I.

NAME	Year of Attend- ance.	Summer Residence.	Where Educated.
Fortune, Sr. A. E.	8	London	Seaforth C. I.
Freeland, G. S.	2	Toronto	Fergus & Farguharson Prep. School.
Freeman, N. V.	4	Inverary	Sydenham H. S.
French, W. E.	2	Oshawa	Oshawa H. S.
Foxwell, Ethel	1	Xavier, Man.	
Fulton, J.	1	Heatherdown, Alta.	Presby. College, Mon- treal.
Fyckes, Jessie D.	4	Moulinette	Cornwall H. S.
Galbraith, E. B.	2	Camden East	Napanee C. I.
Gale, J. A.	5	Alma	Fergus H. S.
Gamble, W. G.	7	Matsqui, B.C.	Ottawa C. I.
Gardiner, A. B.	1	Thamesville	Highgate Con. and Ridgetown C. I.
Garland, Sr. M. L.	7	Guelph	Loretto Abbey. Toronto.
Garrison, Elda M.	1	Stirling	Stratford C. I.
Gates, A. A.	3	Newton Centre, Mass.	Acadia Coll. Academy.
Gemmell, May C. P.	1	Fort William	Fort William C. I.
Gemmell, Nellie	3	Yellow Grass, Sask.	Sault Ste. Marie H. S.
Germain, R. L.	1	Portsmouth	Kingston C. I.
Gilbert, R. H.	2	Toronto	Highfield Sch. Hamil- ton & McGill Coll of B.C.
Gilchrist, J.	4	Owen Sound	Warton H. S.
Gilhooly, Beatrice C.	4	Ottawa	Ottawa C. I.
Gilpin, T. J.	3	Brockville	Brockville C. I.
Girven, Margaret M.	3	Peterboro	Peterboro C. I.
Givens, J. McC.	1	Kingston	Kingston C. I.
Goodwillie, C. A.	1	Metcalfe	Metcalfe Continuation School.
Gourley, Mildred L.	3	Eganville	Ottawa Ladies' College.
Gordon, J. G.	7	St. George's	Napanee C. I.
Gore, S. A. C.	1	St. Catharines	Workshop Coll, Notts, Eng.
Govan, Margaret L.	4	Williamstown	Williamstown H. S.
Graham, Annie	1	Arnprior	Arnprior H. S.
Graham, C. G.	4	Oakwood	Lindsay C. I.
Graham, H. W.	2	Stratford	Stratford C. I.
Graney, Bessie S.	4	Conesus Lake, N.Y.	St. Thomas C. I.
Grant, Grace M.	5	Williamstown	Williamstown H. S.
Grant, W. E. S.	1	Black Diamond	
Grassie, W. E.	1	Smithville	Welland H. S.
Gray, B.	4	Caldwell	Strathroy C. I.
Greig, E. H.	5	Arthur	Arthur H. S.
Greenless, A. L.	1	Kingston	Kingston C. I.
Guthrie, Ethel R.	3	Kinburn	Renfrew C. I.
Hague, Hilda L.	5	Kingston	Kingston C. I.
Halliday, Ferna G.	3	Chesley	Chesley H. S.
Halbut, H. A.	2	Toronto	Barrie & Owen Sound.
Hale, Mary E.	4	Gananoque	Gananoque H. S.
Hamblin, Grace E. A.	4	Ottawa	Cornwall & Ottawa C. I.

NAME	Year of Attendance	Summer Residence	Where Educated.
Hamilton, F. C.	1	Iroquois	Iroquois H. S.
Hamilton, G. H.	1	Port Simpson, B.C.	Columbia Coll., New Westminister.
Hamilton, Grace A. .	4	Stratford	Stratford C. I.
Hamilton, Julia M. .	4	North Bay	Riverdale C. I. Toronto
Hanby, Sarah Ann. .	1	Osage, Sask.	Yorkton H. S.
Hanley, J. S.	3	Kingston	Kingston C. I.
Hanlon, Agnes G. .	1	Kingston	Kingston C. I.
Hanna, L. M.	3	Lyn	Brockville C. I.
Hannah, W. J.	9	Oak Lake, Man.	Portage La Prairie C. I.
Harkness, H. W. .	6	Cornwall	Cornwall H. S.
Harris, V. A.	1	New Dundee	Tillsonburg, Ont.
Harris, W. E.	1	St. Catharines	Kincardine H. S.
Harrop, Esther G. .	3	Calgary, Alta.	Niagara Falls C. I.
Harte, A. C.	1	Lebret, Sask.	Sydenham H. S.
Hartford, J. J.	2	Guelph	Owen Sound C. I.
Hartford, L.	1	St. Catharines	Owen Sound C. I.
Harvey, J. E.	1	Indian Head, Sask. .	Indian Head P. & H. S.
Hamm, C.	1	Odessa	Odessa H. S.
Hastings, M.	8		Grammar School, Has- tings, England.
Haward, W.	1	F. Qu'Appelle, Sask.	Chester College.
Hay, J. C.	1	Kingston	Kingston C. I.
Hazlett, J. McL.	4	Kingston	Kingston C. I.
Hedden, H.	2	Dunnville	Smithville and Dunn- ville.
Heather, Eunice G. .	1	Bobcaygeon	Guelph C. I.
Helm, W.	1	Moose Jaw, Sask. .	Padiham British Burn- ley Mechanics Inst.
Henderson, C.	1	Orangeville	Orangeville H. S.
Henderson, R.	8	Sedgewick, Ont. .	Madoc H. S.
Henry, Margaret P. .	3	Douglas	Orillia C. I.
Hicks, F. F.	2	Newton Brook	Richmond Hill H. S.
Hill, H. F.	2	Peterboro	Peterboro C. I.
Hill, K. S.	5	Madoc	Madoc H. S.
Hill, S. T.	2	Kingston	Kingston C. I.
Hill, Rosa B.	1	Kars	
Henry, S. H.	8	Collingwood	Sydenham H. S.
Heslip, M. W.	1	Peterboro	Westminister Hall.
Higginson, Mrs. M. A.	6	Kindersley, Sask. .	Hawkesbury H. S.
Hobson, W. J.	1	Black River Bridge.	Picton C. I.
Hofferd, G. W.	8	Havelock	Owen Sound C. I.
Hollies, J. S.	6	Brandon	Strathcona H. S.
Holdcroft, W. P. R. .	2	Havelock	Havelock Con. School.
Holland, C. N.	1	Inverness, N.S.	Inverness, N.S.
Hollingshead, F. N. .	3	Toronto	Jarvis C. I., Toronto.
Holmes, W. S.	4	Marshall, Sask.	Iroquois, H. S.
Hood, F.	4	Ottawa	Owen Sound C. I.
Hooper, Ethel S. J. .	4	Kingston	Kingston C. I.
Hooper, G.	4	Kingston	Kingston C. I.
Horning, H. R.	1	Harrowsmith	Sydenham H. S.
Houghton, C. W. .	1	Newton Robinson ..	Bradford H. S.
Houston, J. F.	4	Carleton Place	Carleton Place C. I.

NAME	Year of Attendance.	Summer Residence.	Where Educated.
Howell, H. N.	2	Vernon	Kemptville H. S.
Howie, J. R.	2	Ottawa	London C. I.
Howitt, C.	2	Hamilton	Guelph C. I.
Howson, B. F.	5	Arthur	Arthur H. S.
Hubbs, Maude	5	Picton	Picton C. I.
Hughes, Laura M. . .	3	Kingston	Kingston C. I.
Husband, Edith P. .	8	Newburgh	Newburgh H. S.
Hutchison, D.	2	Presque Isle. Ont. .	Owen Sound C. I.
Hutchison, M. Beatrice	1	Camrose, Alta.	Chatham C. I.
Hutton, T. S.	2	Bredenburg, Sask. .	Trefecca, Wales.
Hyland, W. J. C.	8	Ottawa	Ottawa C. I.
Inglis, J.	5	Kemptville	Kemptville H. S.
Inman, H. I.	2	Milton	Milton Cont'n. School.
Innes, C.	9	Teeswater	Can. Correspondence College.
Ionson, Margaret . .	5	Jarvis	Hamilton C. I.
Irving, Maude G. N. .	3	Kingston	Belleville H. S.
Irwin, A. H.	5	Fenelon Falls	Ottawa C. I.
Irwin, J. A.	4		Man. College, Winnipeg.
Irwin, W. A.	2	Brownsburg, Que. .	Presby. Coll., Montreal,
Jackson, J. S.	3	Glen Allan	Fergus H. S. and Guelph C. I.
Jackson, Mrs. N.	2	Port Hope	Port Hope H. S.
James, D. S.	1	Stanley's Corners . .	Carleton Place H. S.
James, H. R.	2	Stanley's Corners . .	Carleton Place H. S.
Jeffrey, C. L.	1	Ottawa	Ottawa C. I.
Jenkins, Ibrena C. . .	1	Kingston	Kingston C. I.
Johnson, G. E.	3	Straffordville	Tilsonburg H. S.
Johnston, Mabel C. .	1	Oil Springs	Oil Springs.
Johnson, A.	4	Kingston	Kingston C. I.
Johnson, Flor'ce M. .	5	Kingston	Kingston C. I.
Johnston, J. M.	1	Athens	Athens H. S.
Johnson, J. M.	4	Kingston	Kingston C. I.
Johnston, Margaret I	2	Barrie	Barrie C. I.
Jones, T. G.	1	Fort William	
Jones, W. C.	1	Carievale, Sask.	Port Hope H. S.
Joyce, W.	13	Brantford	Oakville H. S.
Judge, A. E.	7	Odessa	Odessa H. S.
Kaliel, E. J.	1	Parry Sound	Parry Sound H. S.
Kaulbach, Lenore . .	5	Edmonton, Alta.	Picton Academy and Truro H. S.
Kearns, W. P.	4	Chesterville.	Chesterville Continuation School.
Keill, L. G.	5	Kingston	Kingston C. I.
Keill, Ella M.	2	Dewberry, Alta.	Kingston C. I.
Keill, K.	3	Greenlawn, Alta.	Kingston C. I.
Kelly, Bessie	2	Stanley, N.B.	Stanley Superior Sch.
Kenny, J. L.	1	Chedoke	
Kelly, Faustina A. . .	2	Sudbury	Sudbury H. S.
Kelly, Madeline D. . .	1	Sudbury	Sudbury H. S.

NAME	Year of Attend- ance.	Summer Residence.	Where Educated.
Kenner, H. B.	1	Stratford	Stratford C. I.
Kerr, M. R.	2	Elgin	
Kerr, E. J.	2	Caruston, R.I.	Lislea National School, Belfast Tec. Inst.
Keswick, R. McL... 2		Buctouche, N.B.	St. Joseph's College.
Kiel, C. M.	1	Garson	Barrie C. I.
Kilgour, R. C.	4	Cornwall	Cornwall C. I.
Killins, Mabel G....	2	Parham	Sydenham H. S.
Kinaham, J. F.	10	Calgary, Alta.	Goderich H. S.
Kines, R. M.	4	Marshall, Sask.	Stratford C. I.
Kingston, W. J. R... 1		Toronto	Forest H. S.
Kirby, G. H.	2	Newmarket	Newmarket H. S.
Kirkconnell, T. W. 2		Lindsay	Lindsay C. I.
Kirkpatrick, W. A... 7		Owensville, Sask. ..	Barrie C. I.
Klinkhamer, Rose E. 1		Dublin	Stratford C. I.
Knapp, F.	2	Kingston	Kingston C. I.
Knechtel, E. A.	1	Stratford	Stratford C. I.
Knowles, J. H.	4	Lanark	Lanark
Knox, H. C.	1	Lynden	Brantford C. I.
Laird, H. C. C.	1	Kingston	Kingston C. I.
Lake, Ethel M.	11	Sydenham	Sydenham H. S.
Lake, Marjorie H... 1		Kingston	Kingston C. I.
Lamb, T. G.	3	Walkerton	Walkerton H. S.
Lamont, A. D.	4	Brussels	Brussels.
Lamont, J. L.	4	Parry, Sask.	Brussels.
Landon, Letitia E. . 1		Lansdowne	Gananoque H. S.
Langford, E. W.	3	Peterboro	Peterboro C. I.
Lanos, V. A.	1	Kingston	Kingston C. I.
Latimer, F. C.	2	Metcalf	Metcalf H. S.
Latour, N.	2	Swift Current, Sask..	Morrisburg C. I.
Lavan, Minnie E.... 1		Toronto	Clinton C. I.
Law, C. E. L. H... 6		Reston, Man.	Oshawa H. S.
Lawler, A. B.	1	Kingston	Regiopolis College.
Lawr, M.	5	Allandale	Barrie C. I.
Laycock, G. R.	2	Moosomin, Sask. ..	Moosomin H. S.
Leacock, Mary I... 4		Guelph	Athens H. S.
Lear, Amelia	3	Mallorytown	Brockville C. I.
Leavine, S. F.	1	Elgar	Athens H. S.
Legget, Hilda	3	Singleton	Brockville H. S.
Lewis, A. J.	7	Sovereign, Sask.	Brixworth Man. Col- lege.
Lewis, Marjorie B... 1		Brockville	Brockville C. I.
Lewis, R. E.	5	Walkerton	Walkerton H. S.
Lewis, W. M.	1	Napanee	Newburgh H. S.
Lineker, H. J.	4	Marlboro, Alta.	
Linton, G.	2	Whitby	Bowmanville & Whitby
Lishman, F. R.	3	Waterford	Cayuga H. S.
Little, J.	2	Scott, Sask.	Galt C. I.
Little, R.	1	Colinton, Alta.	Theological College, Montreal.
Lonsberry, D. J.	4	Haynes, Alta.	Essex H. S.
Loucks, H.	5	Morewood	Morrisburg C. I.
Love, T. P.	2	Milford	Picton C. I.

NAME	Year of Attendance.	Summer Residence.	Where Educated.
Lowry, R. J.	1	Toronto	Parkdale C. I., Toronto
Lynd, L. E.	5	Taber, Alta.	Bradford H. S. & Owen Sound C. I.
Lyon, Hannah E. ..	1	Kingston	Kingston C. I.
Mabee, D. M.	2	Kingston	Picton C. I.
Madden, J. L. A. ...	7	Kingston	Regiopolis College.
Maitland, Jessie H..	4	Brewer's Mills	
Maitland, K. R.	2	Brighton	Brighton H. S.
Mangan, Mary F....	3	Brewer's Mills	Gananoque H. S.
Mars, W. J.	1	Francis, Sask.	Regina C. I.
Marsh, J. P.	4	Quebec, Que.	Woodstock Baptist Coll.
Marshall, W. F.	4	Sarnia	Kingston C. I.
Martyn, F. G.	3	Mitchell	Mitchell H. S.
Matthews, E. W.	2	Stirling	Stirling H. S.
Matthews, Rev. Gordon	1	Sutton West	
Maus, Janet W.	4	Plattsville	Plattsville C. I.
Maxwell, Florence B.	4	Brentwood	Collingwood C. I.
Medcof, W. T.	4	Yorkton, Sask.	Sydenham H. S.
Meek, E. S.	1	Sandford	Uxbridge H. S.
Melville, E. J.	4	Howe Island	Regiopolis College.
Melvin, Libbie H. ..	2	Trowbridge	Listowel H. S. & Stratford College.
Meng, L. H.	1	Napanee	Napanee C. I.
Merrill, A. R.	2	Havelock	Campbellford C. I.
Mercer, R. H.	2	Musgrave Harbor Nfld.	Wesleyan Theo. Coll.
Merriam, R. J.	2	Carmangay, Alta. ...	Albert College, Belleville.
Merriman, R. O. ...	1	Hamilton	Private Tuition.
Mielhausen, A. J. ..	3	Walkerton	Walkerton H. S.
Michell, H.	2	Kingston	Dulwich Coll., London, Oxford Univ.
Miller, Elizabeth C..	1	Inverness, Que.	Inverness Acad.
Milliken, F. S.	4	Strathroy	Strathroy C. I.
Milling, Edith G. ..	1	Napanee	
Mills, R. J.	2	Orillia	
Milne, D. L.	2	Pensacola, Fla.	Brandon C. I., O. N. U.
Mitchell, G. C.	6	Paisley	Paisley.
Mitchell, W. M.	3	Bassano, Alta.	Hamilton C. I.
Moffat, W. J.	8	Hamilton	Owen Sound C. I.
Mohr, C. B.	4	Quyon, Que.	Albert College.
Moore, Nellie L. ...	1	Newton Brook	Weston H. S.
Moore, F. N.	2	Quebec, Que.	Quebec H. S.
Moore, H. W.	2	Quebec, Que.	Quebec H. S.
Moore, Kathleen V.	3	Kingsville	Aylmer H. S.
Moore, Nellie L. ...	1	Newton Brook	Weston H. S.
Moreland, Estella ..	4	Harrowsmith	Sydenham H. S.
Morgenroth, K. G. ...	1	Melville, Sask.	Stratford C. I.
Morphet, J. D.	1	Montreal, Que.	Bentham Gram. Sch.
Morris, S. O.	1	Athens	Athens H. S.
Morrow, C. B.	2	Metcalfe	Metcalfe Cont. Sch.
Mowat, A. McG.	3	Trenton	Trenton H. S.

NAME	Year of Attend- ance.	Summer Residence.	Where Educated.
Mowat, H. A.	1	Galt.	Berlin C. I.
Moxley, J. H.	6	Ottawa.	Metcalfe H. S.
Muckle, J. E.	4	Blenheim	Windsor C. I.
Mullin, Marguerite .	4	Kingston	
Murday, A. M.	2	Bruce Mines	Barrie C. I.
Munro, E. C.	3	Saskatoon, Sask.	London C. I. Toronto Univ.
Murray, G.	3	Vanguard, Sask.	Westminister Hall.
Murray, N.	1	Tompkins, Sask.	Yorkton H. S.
Murray, John	2	Consecon	
Murray, John	2	Fort William	Fort William C. I.
Murton, F. J.	9	New York City	Kingston C. I.
Musselman, Mrs. F. E.	3	Morse, Sask.	Brampton, Winnipeg.
Mynns, P. W.	1	Bridgetown, Bar- badoes	St. Leonard's Sch., Bridgetown, Barba- does.
McArthur, Jennie B.	4	Sault Ste. Marie	Sault Ste. Marie H. S.
MacArthur, Jessie B.	2	Martintown	Williamstown H. S.
McBrady, Sister M.	5	Toronto	Pickering College.
McCall, B. D.	1	Kingston	Kingston C. I.
McCaig, E. C.	1	Garden Island	Garden Island H. S.
McCallum, D. N. . . .	1	Kingston	Kingston C. I.
MacCallum, Elizabeth	2	Kingston	Kingston C. I.
MacCallum, H. R. . .	1	Kingston	Kingston C. I.
McCallum, Mary . . .	4	Smith's Falls	Smith's Falls H. S.
McClure, Mary A. . .	1	Lachute, Que.	Lachute Academy.
McCormick, J. S. . . .	5	Lacombe, Ont.	Norwood Con. Sch.
McCoy, E. M.	3	Kingston	Belleville H. S.
McCullum, I.	2	Toronto	Riverdale C. I., Toronto
McCree, W. T.	5	Sunderland, Eng.	
McCuaig, Gertrude .	5	Bainsville.	Williamstown H. S.
McCulloch, Myrtle V.	1	Port Perry	Uxbridge H. S.
McCullough, R. C. . .	7	Markdale	St. Andrew's College.
McCormick, J. S. . . .	5	Kingston	Morewood Cont'n Sch.
McCuaig, A.	5	Shanty Bay	Barrie C. I.
McCullough, J. L. . .	6	Toronto	Guelph C. I.
McDermott, Evelyn.	4	Kingston	Notre Dame Convent.
Macdonald, Helen G.	3	Utica, N.Y.	Cobourg C. I.
McDonald, Jessie H.	1	Dalkeith	Alexandria H. S.
McDonell, A. J. . . .	1	Spanish Mills	Sudbury H. S.
Macdonell, D. L. . . .	4	Lancaster	Williamstown H. S.
MacDonell, M. J. . .	1	Lancaster	Williamstown H. S.
Macdonnell, K. . . .	4	Portsmouth	Fergus H. S.
Macarow, P. D. . . .	1	Ottawa	Lozola College, R.N.C.
McDonell, Mary U.	3	Sudbury	Alexandria H. S.
MacDougall, Anna .	5	Regina, Sask.	Stratford C. I.
MacDougall, Chris- tena	4	Kingston	Spencerville Cont. Sch.
MacDougall Flor'ce.	3	Kingston	Spencerville Cont. Sch.
MacDougall, Harriett	1	Carleton Place	
MacDougall, Isabella	7	Wingham	Wingham H. S.
McDougall, Mamie V.	5	Bolsover	Lakefield Cont. School.

NAME.	Year of Attend- ance.	Summer Residence.	Where Educated.
McDougall, P. A.	2	Gresham	Paisley.
McDowell, Jennie	2	Uxbridge	Port Perry and Ux- bridge.
McFadden, G. H.	3	Kingston	Sudbury H. S.
McFadden, J. F.	2	Kingston	Sudbury H. S.
McFadden, W. J.	4	Hamilton	Hamilton C. I.
Macfarlane, G. S.	5	Ottawa.	Ottawa C. I.
Macfarlane, Elsie M. . . .	1	Lachute, Que.	Huntingdon Acad.
McGhie, B. T.	2	Kingston	Athens.
McGill, Eva	4	Toronto	Bowmanville H. S.
MacGregor, Irene S. . . .	5	Athol	Alexandria H. S.
MacGregor, J. A.	4	Morewood	Norwood Cont. School.
McGuire, A. W.	5	Kingston	Madoc H. S.
McIlquham, J. M.	3	Lanark	Lanark Cont. School.
McIlraith, D. A.	3	Lanark	Lanark Cont. School.
McIlroy, Elizabeth	8	Regina, Sask.	Kingston C. I.
McIlraith, Margaret I.	3	Apple Hill	Perth C. I.
McInnis, J. A.	4	Owen Sound	Owen Sound C. I.
Macinnes, J. A.	3	Englishtown, N.S. . . .	Matric Dept. Montreal Theol. Coll.
McInnes, Wm.	7		Brandon & Man. Coll.
McIntosh, A.	4	Kingston	Owen Sound C. I.
McIntosh, Sr. C.	11	Westport	
McIntosh, J. W.	6	Williamsburg	Morrisburg C. I.
McIntyre, W. G.	4	Clearwater	Brandon C. I.
McKay, W.	1	Napanee	Uxbridge H. S.
McKean, G. B.	1	Innisfu, Alta.	Bishop Auckland H. S.
McKee, C. W.	1	Belmore	Wingham C. I.
McKee, O.	4	Drumheller, Alta. . . .	Belfast and Dublin.
McKellar, Annie J.	2	Dutton	Dutton H. S.
McKellar, M. Isabel	3	Strathroy	Strathroy C. I.
McKelvey, G. F.	2	Fullarton	Wesley Coll., Winnipeg
MacKenzie, F. D.	8	Midway, B.C.	Owen Sound C. I.
Mackenzie, R. J.	4	Camden Pl., Winn. . . .	Bruce Mines.
Mackenzie, W. J.	3	Kincardine	Kincardine H. S.
McKerracher, L. G.	1	Fallbrook	Fallbrook Cont. School.
McKercher, S.	1	Wroxeter, Ont.	Wingham H. S.
McKillop, A. F.	2	Dutton	Dutton H. S.
McKillop, J.	6	Clyde Forks	Gordon's Coll., Aberdeen
Mackinnon, J. A.	1	Ainslie, N.S.	Hamilton C. I.
McKinnon, J. L.	6	Priceville	Durham H. S.
Mackinnon, J. W.	2	Chatsworth	Owen Sound C. I.
MacKinnon, R.	1	Strathlorne	Strathlorne.
Mackintosh, Agnes W.	3	Madoc	Madoc H. S.
Mackintosh, W. A.	3	Madoc	Madoc H. S., St. An- drew's Coll.
MacLachlan, J. K.	4	Kenmore	Kenmore Cont. School.
MacLachlan, M. B.	5	Chatham	Inter. Coll., Smyrna, Turkey.
McLaren, A. H.	4	Ashton	
McLean, Lena D.	1	Perth	Perth C. I.
McLean, D. H.	3	Ottawa	Ottawa C. I.

NAME	Year of Attend- ance.	Summer Residence.	Where Educated.
McLean, Regina . . .	2	Kingston	Kingston C. I.
MacLennan, C. R. F.	3	E. Lake Ainslie, C.B., N.S.	Inverness Acad.
MacLennan, J. H. . . .	7	Perth	Perth C. I.
McLeod, Blanche . .	3	Kemptville	Colchester Academy, Truro, N. S.
McLeod, D. J.	1	South Gut, N.S.	South Gut.
McLeod, F. E.	3	Kemptville	Colchester Acad.
McLeod, H. A.	1	Owen Sound	Owen Sound C. I.
McLeod, J. B.	1	Crysler	Manitoba College.
McLeod, Mary A. . .	1	Niagara-on-the-Lake.	Goderich C. I.
McMahon, Laura . . .	3	Milford	Notre Dame Convent, Kingston.
McMaster, Maude H.	1	Windsor	Windsor C. I.
McMullin, R. M. . . .	4	MacNutt, Sask.	Lindsay C. I.
MacMurchy, E. Jane	2	Ottawa	Ottawa C. I.
McNabb, Janet	5	Ottawa	Ottawa C. I.
MacNabb, Katherine	2	Kenmore	Kenmore Cont. Sch.
McNab, J.	5	Belfast, Ireland	Man. Coll., Winnipeg.
McNab, Mary	3	Eganville	Ottawa Ladies' Coll.
McNab, W. J.	2	Coniston	Owen Sound C. I.
McNaught, J.	4	Pilot Mound, Man. . . .	Paris H. S.
McNeill, Sr. Mary . .	10	Chatham, N.B.	St. Michael's Academy, Chatham, N.B.
MacPhail, Mary C. . .	2	Cayuga	Cayuga H. S.
MacPherson, Mary K.	2	Prescott	Prescott H. S.
MacPherson, Pearl . .	1	Brussels	Wingham Ont.
McQuarrie, D.	1	Argyle	Lindsay C. I.
McQuarrie, J. H. . . .	1	Haileybury	Haileybury H. S.
McQuay, J. L.	4	Foxwarren, Man.	Portage la Prairie C. I.
McRoberts, J. H. W.	8	London	St. Mary's H. S.
MacTavish, Alice M.	1	Lanark	Perth C. I.
McTavish, W.	8	Star via Lamont, Alta	Cliniton C. I.
McTurk, Isabell . . .	3	Lucan	Lucan H. S.
Naughton, Nellie . .	5	Elgin Mills	
Neil, Edna	2	Renfrew	Renfrew C. I.
Nelson, C. I.	6	Toronto	Hamilton C. I.
Nelson, Eva	4	Vankleek Hill	Kemptville H. S.
Nelson, S. B.	1	Hamilton	Campbell College, Belfast.
Nesbitt, Lyla M. . . .	4	Kingston	Kingston C. I.
Nethery, Stella J. . .	1	Kindersley, Sask.	Wingham H. S.
Nicholas, A. P.	2	Montreal, Que.	Coaticook Acad.
North, J. W.	8	Oakland, Man.	Ann Arbor H. S.
Oatway, G. A.	2	Marklee, Sask.	Perth C. I.
Oates, T. W. H. . . .	3	Perth	Almonte H. S.
Odell, J. H.	2	Ottawa	Ottawa C. I.
Oliver, T. E.	2	Wakaw, Sask.	Trefecca Coll., South Wales.
O'Meara, W. P. J. . .	4	Ottawa	Ottawa C. I.
O'Neill, J.	2	Lindsay	Lindsay C. I.

NAME.	Year of Attendance.	Summer Residence.	Where Educated.
O'Neill, Margaret M.	3	Vankleek Hill	Vankleek Hill C. I.
O'Neill, M. J.	2	Omeme	Lindsay C. I.
O'Reilly, E. L.	2	Kingston	Regiopolis College.
O'Reilly, J. J.	3	Kingston	Regiopolis College.
O'Reilly, Sr. Mary*	9	Glen Nevis	Madoc H. S.
Osborne, Mona	4	Arnprior	Arnprior H. S.
Osborne, W. A.	2	Maybutt, Alta.	Galt C. I.
Paoli, A. A.	3	Charlottetown, P.E.I.	Prince of Wales Coll.
Parker, Mary M.	1	Caledonia	Caledonia.
Parkhill, D. A.	3	Kingston	Kingston C. I.
Parker, Eva	2	Newcastle	Bowmanville.
Paris, R. C.	1	Winnipeg, Man.	
Partidge, J. A.	1	Grafton	Warkworth C. I.
Paynter, F. W.	3	Tantallon, Sask.	Moosomin H. S.
Peever, M. G.	1	Peterboro	Ottawa & Peterboro C. I.
Pedlow, Olive	4	Renfrew	Renfrew C. I.
Penfound, W. L. B.	7	Beeton	Clinton C. I.
Percival, Ella E.	1	Kemptville	Kemptville H. S.
Percival, Mary L.	2	Kemptville	Kemptville H. S.
Percival, Ruby	2	Kemptville	Kemptville H. S.
Perney, E.	1	Ottawa	Ottawa C. I.
Perney, F. E.	14	Ottawa	Hamilton C. I.
Pettigrew, Mary T.	2	Glen Morris	Galt C. I.
Phayme, T. A. G.	1	Georgetown, B.G.	De Witt Clinton H. S.
Philp, J. H.	5	Reaboro	Lindsay C. I.
Pierce, Mildred H.	1	Kingston	Kingston C. I.
Pilgrim, E. W.	6	Battleford, Sask.	Battleford H. S.
Pitt, W. W.	1	Pittston	Jarvis St. C. I., Toronto
Pogson, G. H. E.	1	Oshawa	Oshawa H. S.
Polson, Una W.	3	Kingston	Kingston C. I.
Pound, G. S.	2	Goodwater, Sask.	Belleville H. S.
Powell, A. V.	2	Prescott	Prescott H. S.
Powell, J. A.	2	North Gower	N. Gower Cont. Sch.
Powell, Mabel	2	Prescott	Prescott H. S.
Pryke, A. E.	1	Hamilton	Y.M.C.A. College.
Putman, C. E.	4	Ottawa	Ottawa C. I.
Quanbury, J. H.	1	Youngstown, Alta.	Simcoe H. S.
Quigley, F. G.	2	Toronto	Pickering College.
Quimm, J. F.	8	Kingston	St. Catherines H. S.
Rae, M. H.	6	Port Hope	Port Hope H. S.
Ralph, F. Kathleen.	3	Kingston	Kingston C. I.
Rankin, W. E.	1	Belleville	Belleville C. I.
Ramsay, Jean B.	1	Edmonton, Alta.	Woodstock C. I.
Ramsay, Amy M.	5	Calgary, Alta.	St. John's Coll., Winnipeg.
Ramsay, J. A.	9	Ottawa	Watford and Strathroy H. S.
Rappell, K. C.	3	Athens	Athens H. S.
Rayson, R. S.	1	Kingston	Kingston C. I.

NAME	Year of Attendance.	Summer Residence.	Where Educated.
Reid, J. R.	5	Strassburg, Sask.	Parkhill H. S.
Reid, T. A.	2	Owen Sound	Collingwood C. I.
Revelle, A. I.	4	Kingston	Sydenham H. S.
Revelle, I. E.	4	Kingston	Sydenham H. S.
Revelle, Mrs. S. E.	6	Kingston	Kingston C. I.
Reynolds, Myrtle V. .	2	London	London C. I., Harding Hall Coll.
Richardson, I.	1	Belmont, Man.	Kingston C. I.
Richardson, R. P. . .	2	Kelorona, B.C.	Lawrencetown H. S., Acadia College.
Riddell, J. R.	3	Carleton Place	Carleton Place H. S.
Rielly, B. I.	6	Kingston	Sydenham H. S.
Robb, E. R.	4	Quinto, Kansas	Almonte H. S.
Robb, J. A. M.	3	Whitby	Whitby C. I.
Roberts, Mabel . . .	5	Brockville	Brockville C. I.
Robinson, C. A.	2	Moose Jaw, Sask.	Morrisburg C. I.
Robinson, F.	1	Toronto	Guelph C. I.
Robinson, J.	4	Ottawa	Boro Road Training School, London, Eng.
Robinson, T. M. . . .	1	Erskine, Sask.	Winchester P. S.
Rogers, B. M.	1	Grenfell, Sask.	Barrie C. I.
Rogers, J. B.	7	Kingston	Kingston C. I.
Roney, Dorothy . . .	4	Kingston	Kingston C. I.
Rose, J. L.	3	Asquith, Sask.	Port Hawkesbury C. B.
Rose, Kathleen M. . .	2	Galt	Galt C. I.
Ross, Edith	1	Williamstown	Williamstown H. S.
Roszell, M. C.	1	Smithville	Smithville H. S.
Roy, U. A.	5	Biggar, Sask.	Pointe Aux Trembles Mission.
Ruddick, Helen . . .	1	Brockville	Brockville C. I.
Russell, J. T. H.	6	Delta	Athens H. S.
Rutledge, E. J.	2	Dunrobin	Carp Cont. School.
Saunders, Janet F. . .	1	Kingston	Kingston C. I.
Sauriol, J. L. E.	1	Lancaster	Lancaster Pub. Sch. Cornwall H. S.
Saylor, M. Jane . . .	2	Bloomfield	Picton C. I.
Scammell, P. F.	4	Ottawa	Kingston C. I.
Scanlan, T. V.	2	Seeley's Bay	Westport Separate School.
Scarrow, C. A.	1	Kindersley, Sask.	
Schofield, Flora M. .	4	Kingston	Kingston C. I.
Scholes, Jennie . . .	3	Regina, Sask.	Napanee C. I.
Scott, Campbell C. . .	4	Perth	Perth C. I.
Scott, C. W.	1	Toronto	Listowel H. S.
Scott, R. M.	1	Wallaceburg	Woodstock College.
Scott, R. Melleville. .	3	Dominion City, Man.	Dominion City Intermediate.
Scott, W. G.	1	Murillo	Dundalk H. S.
Scott, W. W.	6	Stettler, Alta.	Owen Sound C. I.
Scoular, A. F.	4	Lipton, Sask.	Glasgow, Scotland.
Sellens, C. E.	1	St. Thomas	Guelph C. I.
Sharman, Beverley . .	1	Birtles, Man.	All Hallow School, Gale, B. C.

NAME	Year of Attend- ance.	Summer Residence	Where Educated.
Sharman, I. E.	8	Goderich	Goderich H. S.
Sharples, H. R.	1	Ledus. Alta.	Derby St. James High- er Grade School.
Shaver, A.	8	Winnipeg, Man.	
Shaver, A. J.	1	Farran Point	Cornwall H. S.
Shaver, A. B.	7	Winnipeg, Man.	Woodstock H. S.
Shaw, A. M.	7	Lansdowne	Gananoque H. S.
Shaw, A. B.	6	Weyburn, Sask.	Niagara Falls C. I.
Shaw, Bertha M. C. .	2	Kemble	Owen Sound C. I.
Shaw, J.	6	Owen Sound	Owen Sound C. I. and Toronto Normal.
Shaw, W. A.	3	Carleton Place	Carleton Place H. S.
Shearer, Mary	2	Smith's Falls	Smith's Falls H. S.
Sheldon, H. H.	3	Brockville	Brockville C. I.
Sheppard, J. R.	4	Berlin	Berlin C. I.
Shields, R. E.	2	Kerrobert, Sask.	Esterhazy, Sask
Shillinglaw, Emily .	2	Sarnia	Sarnia C. I.
Shook, A. M.	2	Red Deer, Alta.	Oakville H. S.
Shortt, G. E.	4	Ottawa	Ottawa C. I.
Shurtleff, W. M.	11	Kingston	Kingston C. I.
Sillers, Annie May ..	6	Walkerton	Walkerton H. S.
Simmons, J. R.	3	Frankfort	Trenton H. S.
Simpson, M. J.	3	Elmvale	
Simpson, R. S.	7	Ottawa	
Sinclair, P. U.	8	Eldorado, Alta.	F. Normal School and N. F. College.
Sissons, J. H.	2	Edmonton, Alta.	Orillia C. I.
Singleon, Eleda* ...	1	Kingston	Newboro.
Singleton, J. M.	5	Soperton	Athens H. S.
Skene, J. B.	2	Hall's Budge P.O.	Regina H. S.
Skinner, Katie E. . .	3	Keene	Peterboro C. I.
Sly, Wilhelmina ...	4	Elgin	Athens H. S.
Smeltzer, J. H.	5	Manitoivaning	
Smith, L. H.	2	Kingston	Kingston C. I.
Smith, Mary	4	Cobden	Renfrew C. I.
Smith, W. P. A.	1	Georgetown, B.G.S.	
Snider, R. A.	2	Belleville	Westminister Hall, Vancouver, B.C.
Snyder, H. A.	7	Niagara Falls	Private Tuition.
Snider, G. E.	6	Bainsville	Williamstown H. S.
Spankie, H. L.	11	Wolfe Island	Kingston C. I.
Speers, W. H.	6	Wynyard, Sask.	Orangeville H. S., Win- nipeg C. I.
Spence, L. C.	2	Ottawa	Ottawa C. I.
Spenceley, H. . . .	1	West Guilford	Uxbridge, Ont.
Staley, E. J.	1	Wolfe Island	Regiopolis College.
Steele, Annie M. ...	4	Eigenheim, Sask.	Avonmore H. S.
Steen, J.	5	Morewood	Morewood Cont. Sch.
Stephen, F. N.	8	Montreal, P.Q.	Westmount Academy, McGill Normal.
Stevens, Norma M. .	4	Chatham	Petrolia H. S.
Stewart, Eva G.	5	Campbellford	Campbellford H. S.
Stewart, G. S.	5	Paisley	Paisley H. S.
Stewart, Jessie H. .	1	Kingston	Sydenham H. S.

NAME	Year of Attend- ance.	Summer Residence	Where Educated.
Stewart, M. F.	3	Renfrew	Fergus H. S.
Stewart, Winona . . .	5	Renfrew	Renfrew C. I.
Stickney, E. H.	1	Kingston	Kingston C. I.
Stillwell, Mabel, Wil- helmina	3	Meaford	Meaford H. S.
Stinson, A.			
Stinson, A.	1	Kingston	Kingston C. I.
Stitt, J. H.	5	Smith's Falls	Smith's Falls H. S.
Stock, Dora H.	4	Tavistock	Stratford C. I.
Strader, J. W.	2	Brinston	Iroquois H. S.
Struthers, A. J.	5	Brantford	Stratford C. I.
Stothers, J. C.	3	Toronto	Wingham H. S.
St. Thomas, Sr. M. . .	6	Joliet, Ill.	Loretto Abbey, To- ronto.
Stuart, E. B.	4	Berkley, Cal., U.S.A.	Hamilton C. I.
Sutherland, Anita . . .	1	Kingston	Kingston C. I.
Sutherland, D. A.	5	Atwater, Sask.	Forest H. S.
Sutherland, J. W. . . .	2	Stroud	Brantford H. S.
Sutherland, N. C. . . .	2	Amherst, N.S.	Amherst Acad., N.S.
Sutherland, W. A. . . .	1	Heathbee, N.S.	Pictore Acad.
Swift, Mrs. C. E.	5	Mimico Beach	R. C. Convent & Pres- byterian School.
Tane, W. F.	1	Oshawa	Oshawa H. S.
Tamblyn, W. J.	1	Toronto	Clinton C. I.
Tanner, L. E.	2	Quebec, Que.	Am. International Coll., Mass.
Taylor, J. A.	4	Portreeve, Sask.	Prince of Wales Coll.
Taylor, K. E.	1	Kingston	Kingston C. I.
Taylor, May L. B. . . .	3	Inverary	Kingston C. I.
Telford, Viola M.	1	Kingston	Alliston H. S.
Theriault, Theresa . . .	7	Kingston	Notre Dame Convent.
Third, J. R.	1	Kingston	Kingston C. I.
Third, T. W.	3	Campbellford	Campbellford H. S.
Thomas, H. M.	3	Regina, Sask.	
Thomas, J. M.	1	Victoria, B.C.	Victoria H. S.
Thompson, B. W. . . .	6	Ottawa	Pembroke H. S.
Thompson, E. A.	9	Winnipeg, Man.	Brandon College. and Public School.
Thompson, W. P. . . .	2	Evesham, Sask.	Picton Acad.
Throop, A. B.	2	Banff, Alta.	Peterboro C. I.
Timm, Hannah	1	Westmeath	Renfrew C. I.
Tobin, Sr. Mary	10	London	Goderich H. S.
Toole, Janet I.	4	Gananoque	Gananoque H. S.
Topliff, E. E.	4	Bath	Bath and Napanee C. I.
Tovell, Alene M. . . .	4	Sydenham	Sydenham H. S.
Towend, J. B.	1	Loreburn, Sask.	Moose Jaw Coll.
Townsend, F. T.	4	Regina, Sask.	Sydenham H. S.
Trace, C. M.	4	Moose Jaw, Sask. . .	Barrie C. I.
Trash, J. A.	6	Lindsay	Orillia C. I.
Traver, Lillie A. . . .	4	Strathroy	Strathroy C. I.
Traves, Luella	5	Elginburg	Sydenham C. I.
Truscott, I. T.	3	Alameda, Sask.	Alameda, Sask.
Tsolainos, K. P. . . .	1	Westmount, Que. . .	International College, Smyrna.

NAME	Year of Attendance	Summer Residence.	Where Educated.
Tadhope, H. H.	6	Parry Sound	
Turnbull, Edna . . .	1	Ottawa	Kemptville H. S.
Tulley, C. J.	10	Ottawa	Picton H. S.
Turner, E. A.	1	Brockville	Brockville C. I.
Tuttle, J. L.	1	Toronto	Central H. S., Cleveland, O.
Urlin, W. R.	4	London	Dutton H. S.
Vallentyne, H. J. ...	3	Cannington	Port Perry H. S.
Vessot, Nelida L. ..	2	Joliette, Que.	Stanstead Wesleyan College.
Waddell, T. K.	3	West Lake, Sask. ..	Agriculture.
Waddell, W. R.	1	North Osgoode	Metcalfs Cont. School.
Walker, A. A. C.	1	Port Dover	Forest H. S.
Walsh, F. B.	2	Oxbow, Sask.	Oxbow H. S.
Walsh, Muriel . . .	2	Kingston	Kingston C. I.
Walsh, W. A.	1	Montreal, Que.	McGill Normal School.
Ward, E. M. H.	9	Vanguard	Collingwood C. I.
Warren, Violet	5	Almonte	Perth C. I.
Wedderburn, J. F. ..	5	Brockville	Glasgow Tec. Coll., Clydesbank Tec. Sch.
Wells, H. F.	5	Kingston	Kingston C. I.
Wert, B. H.	4	Avonmore	
Werther, W. R.	4	Sault Ste. Marie	
West, A.	2	Aneroid, Sask.	Madoc H. S.
West, R. H. A.	1	Napanee	Barrie C. I.
Whalley, Muriel E. .	2	Arnprior	Arnprior H. S.
White, H. C.	2	Aylmer	Aylmer H. S.
Whitehead, A.	3	Walkerton	Walkerton H. S.
Whitton, Lottie . .	1	Renfrew	Renfrew C. I.
Whitty, N. N.	9	Kingston	Sydenham H. S. and Napanee C. I.
Whyte, C. B.	4	Edmonton, Alta.	Moosomin H. S.
Wilby, W. J.	8	Victoria, B.C.	Victoria H. S.
Wilder, Ethel	1	Kingston	Kingston C. I.
Wilkie, Ada	10	Quinn, Alta.	Ottawa C. I.
Wilson,	5	Walkerton	Walkerton H. S.
Wilson, Emily M. . .	3	Battle Creek, Mich. .	St. Thomas C. I.
Wilson, G. E.	5	Perth	Perth C. I.
Wilson, E. V.	4	Kingston	Kingston C. I.
Wilson, J. J.	5	Oustic	Fergus H. S.
Wilson, H. S.	2	Kingston	St. Catherines C. I.
Wilson, Marion L. .	1	Horning's Mills	Owen Sound C. I.
Wilson, W. L.	1	Ottawa	Rockland H. S.
Wine, W. H.	1	Gouldtown, Sask. . .	Central Foundation Sch., London, Eng.
Wingard, Marjorie R.	2	Weyburn, Sask.	Morrisburg C. I.
Wood, C. L.	1	Kingston	Kingston C. I.
Wood, Esther G. ...	3	Kingston	Kingston C. I.
Wood, Margaret M. .	2	Toronto	Parkdale C. I., Toronto.
Woods, A.	4	Elmira	Berlin C. I.
Woods, D. S.	4	Dauphin, Man.	Paisley Ont., and Private Tuition.

NAME	Year of Attend- ance.	Summer Residence.	Where Educated.
Workman, H. V. ...	3	Bath	Exeter H. S.
Wormwith, Mildred A.	5	Kingston	Kingston C. I.
Wright, C. A.	1	Cobden	Renfrew C. I.
Wright, C. W.	3	Vancouver, B. C.	Municipal Secondary Sch., Brighton, Eng.
Wright, Frances M.	3	Kingston	Kingston C. I.
Wynne, A. M.	5	Toronto	Watford C. I.
Young, R. H.	4	Hagersville	Hagersville H. S.
Yule, L. B.	1	Edmonton, Alta.	Listowel H. S.
Zachariou, Auastasia	1	Smyrna	International College.
Zacks, M.	2	Kingston	Kingston C. I.
Zeron, J. E.	2	Iroquois	Morrisburg C. I.

Post-Graduate Students.

Name.	Address.
Asselstine, R. M., B.Sc.	Collins Bay, Ont.
Baldwin, P. M., B.A.	Ottawa, Ont.
Ball, A. N., B.Sc.	Regina, Sask.
Cantelo, R. C., B.Sc.	St. Thomas, Ont.
Caverhill, P. C., B.A.	Ilderton, Ont.
Chalmers, C. Maude, B.A.	Sudbury, Ont.
Chambers, L. P., M.A.	Kingston, Ont.
Daly, F. G., B.Sc.	Lloydminster, Sask.
Ferguson, A. W., B.A.	Cobourg, Ont.
Hill, K. S., B.A.	Madoc, Ont.
Hofferd, G. W., B.A.	Toronto, Ont.
Keill, L. G., B.A.	Kingston, Ont.
Keeley, D. E., B.Sc.	Hosmer, B.C.
Lake, Ethel M., B.A.	Sydenham, Ont.
Murton, F. J., M.D., C.M.	Portsmouth, Ont.
McCree, W. T., M.A.	Sunderland, Eng.
McNab, J., B.A.	Belfast, Ireland.
Michell, H., M.A.	Kingston, Ont.
North, J. W., B.A., B.D.	Oakland, Man.
Philp, J. H., B.A.	Reaboro, Ont.
Revelle, Ian E., B.A.	Kingston, Ont.
Sands, J. M., B.Sc.	Kingston, Ont.
Theriault, Theresa E., B.A.	Kingston, Ont.
Wedderburn, J. F., B.A.	Glasgow, Scotland.
Wilson, D. M., B.Sc.	Walkerton, Ont.
Wood, F. M., B.Sc.	Kingston, Ont.
Woods, A., B.A.	Elmira, Ont.
Wynne, A. M., B.A.	Toronto, Ont.

Unmatriculated Students.

Name.	Address.
Arrol, E. B.	Glasgow, Scotland.
Bond, Annie M.	Kingston, Ont.
Brown, H. R.	Oungah, Ont.
Brown, W. T.	Waterford, Ont.

Name.	Address.
Campsall, E. G.	Harrowsmith, Ont.
Chown, Dorothy	Kingston, Ont.
Cooke, Ella May	Kingston, Ont.
Coon, Eva E.	Kingston, Ont.
Cooney, J. J.	Grafton, Ont.
Coward, G.	Kingston, Ont.
Cummins, H. G.	New York, N.Y.
Dersch, Stella	Macleod, Alta.
Elmer, Grace M.	Kingston, Ont.
Fraser, A. C.	Boularderie, N.S.
Gilpin, T. J.	Brockville, Ont.
Hill, S. T.	Kingston, Ont.
Houghton, C. W.	Newton Robinson.
Howell, H. N.	Vernon, Ont.
Jenkins, Ibrena G.	Kingston, Ont.
Kerr, M. R.	Elgin, Ont.
Mills, R. J.	Orillia, Ont.
Murray, Geo.	Vanguard, Sask.
Murray, John	Fort William, Ont.
McCall, Bella Dick	Kingston, Ont.
McFadden, J. F.	Kingston, Ont.
McLeod, D. J.	South Gut, Victoria Co., N.S.
MacNabb, Katherine E.	Kenmore, Ont.
Polson, Una W.	Kingston, Ont.
Saylor, Marion J.	Bloomfield, Ont.
Scott, R. Mellville	Dominion City, Man.
Sharp, J. F.	Napanee, Ont.
Smith, W. P. A.	Georgetown, B.G.
Sutherland, Anita	Kingston, Ont.
Ward, E. F. G.	Peterboro, Ont.

SCHOOL OF MINING.

First Year.

Name.	Address.
Belton, J. R.	Kingston, Ont.
Biglow, K. W.	Cheboygan, Mich.
Brough, J. M.	Vancouver, B.C.
Bysshe, G. T.	Ottawa, Ont.
Cameron, Allan	Orangeville, Ont.
Campbell, W. F.	Grenville, Ont.
Campbell, J. M.	Thamesford, Ont.
Carey, R.	Gederich, Ont.
Carter, A. W.	Calgary, Ont.
Corbett, R. F.	Kingston, Ont.
Creighton, S. J.	London, Ont.
Ellis, W. H.	Kingston, Ont.
Embury, W. J.	Belleville, Ont.
Fahey, J. V.	Elgier, Ont.
Fleming, T. H.	Chaffey's Locks, Ont.

Name.	Address.
Goodearle, H. L.	Kingston, Ont.
Greig, J. W.	Provost. Alta.
Guest, T. E.	Renfrew, Ont.
Hanley, A. C.	Kingston, Ont.
Hanlon, J. B.	Kingston, Ont.
Harris, C. R.	Ottawa, Ont.
Harrison, S. J.	Kingston, Ont.
Harrop, B. N.	Indian Head, Sask.
Harvey, O. R.	Lyndhurst, Ont.
Hetherington, J.	Napanee, Ont.
Johnston, C. M.	Parry Sound, Ont.
Keorr, J. J.	Shunboro, Que.
Ker, M. F.	Niagara Falls South, Ont.
Knowles, C. W.	Nova Scotia.
Langford, E. W.	Peterboro, Ont.
Legault, A. J.	Belleville, Ont.
Leslie, H. T.	Toronto, Ont.
Lymburner, F. H.	Port Elgin, Ont.
Malloch, C.	Arnprior, Ont.
Mann, F. B.	Lindsay, Ont.
Marrison, W. A.	Cataraqui, Ont.
Martineau, H.	Quebec, Que.
Meadd, H. E.	Parkhill, Ont.
Mills, A. McT.	Ottawa, Ont.
Mills, J. S.	Kingston, Ont.
Mills, W. S.	London, Ont.
Montrose, C. H.	Bond, Sask.
Monture, G.	Springdale, Ont.
Moore, C. M.	Hartington, Ont.
McConville, C. A.	Kingston, Ont.
MacIntyre, T. W.	Renfrew, Ont.
MacLachlan, A. G.	Smyrna, Turkey.
Nesbitt, F. G.	Sherbrooke, Que.
O'Brian, L.	L'Orignal, Ont.
Paterson, D. R.	Galt, Ont.
Patrick, W. S.	Birmingham, England.
Patterson, T. R.	Auburn, Ont.
Pomeroy, J. K.	Fort Qu'Appelle, Sask.
Quigley, F.	Toronto, Ont.
Ritchie, T. H. A.	Penetanguishene, Ont.
Rowland, R. C.	Walkerton, Ont.
Ryan, H. J.	Kingston, Ont.
Smith, E.	Winchester, Ont.
Smith, E. E.	Ottawa, Ont.
Smith, M. F.	Oak Lake, Man.
Stalker, D. A.	Ottawa, Ont.
Strickland, C. H.	Berlin, Ont.
Tench, C. E.	Newmarket, Ont.
Tobias, G. A.	London, Ont.
Van Amburg, G. O.	Central Argyle, N.S.
Vincent, G. G.	Woodstock, Ont.
Wallace, R. C.	Kars, Ont.
Ward, B. O.	London, Ont.
Waterhouse, G. K.	Kingston, Ont.
Welch, H. R.	Ottawa, Ont.

Name.	Address.
Wilson, G. S.	Clayton, N.Y.
Wright, D. G.	London, Ont.
Wright, W. E.	Pickering, Ont.
Wrong, G.	Sandwich, Ont.

Second Year.

Name.	Address.	Course.
Allin, M. C.	Whitby .	Electrical.
Anderson, George	Niagara Falls .	Civil.
Armstrong, W. M.	Ottawa .	Civil.
Bates, H. C.	Toronto. .	Civil.
Blackburn, A. P.	Chatham .	Civil.
Boulton, C. A.	Galt .	Civil.
Boyd, C. S.	Uxbridge .	Civil.
Brinkman, F. L.	St. Thomas, Ont.	Civil.
Brown, W. H.	Bracebridge .	Civil.
Burwash, S. H.	Arnprior .	Civil.
Byron, M. R.	Ottawa .	Civil.
Calder, L. R.	Lanaimo, B.C.	Civil.
Chalmers, G. H.	Smith Falls .	Civil.
Cliff, G. H.	Portsmouth .	Mining & Metallurgy.
Colby, W. D.	North Chatham .	Civil.
Cooke, N. M.	Kingston .	Civil.
Cumming, C. H.	Cornwall .	Civil.
Dawson, C. B.	St. Catharines .	Mining.
Dixon, R. A.	Peterboro .	Civil.
Donnelly, C. H.	Kingston .	Civil.
Eagleson, S. P.	Ottawa .	Civil.
Eby, H. M.	Yorkton, Sask.	Civil.
Elmer, R. M.	Kingston .	Mechanical.
Ferguson, J. A.	Massey Station .	Civil.
Garrett, W. G.	Kingston .	Civil.
Gauthier, H. A.	Alexandria .	Civil.
Godard, J. S.	Ottawa .	Civil.
Hara, F. W.	Merritton .	Civil.
Hay, M. N.	Listowel .	Electrical.
Herman, F. A.	Ottawa .	Electrical.
Holmes, F.	Kemptville .	Civil.
House, J. A.	Port Dalhousie .	Civil.
Hubbard, W. F.	Gananoque .	Mechanical & Electrical
Hughson, W. R.	Kingston .	Civil.
Jamieson, E.	Arnprior .	Mechanical.
Jardine, H.	Hespeler .	Civil.
Johnston, C. G.	Kingston .	Mechanical.
Jones, C. F.	London .	Chemical.
Keller, R. L.	Chatham .	Electrical.
KendaH, H. C.	Oakville .	Electrical.
King, W. W.	Oakville .	Civil.
Kinnard, I. Fern	Marshville .	Electrical.
Lawrence, C. V.	Ottawa .	Civil.
Light, A. K.	Kingston .	Electrical.
Lord, T. V.	Feniton Falls .	Electrical.
Ludgate, D. J.	Parry Sound .	Civil.
Marshall, I. M.	London .	Mining.
Martin, J. S.	Hamilton .	Civil.

Name.	Address.	Course.
Minnes, H. S.	Kingston	Mechanical.
McCannel, D. M.	Victoria, B.C.	Mechanical.
McQuire, R. C.	Parry Sound	Civil.
Paoli, A. A.	Charlottetown, P.E.I.	Civil.
Payne, T. H. L.	Kingston	Mechanical.
Pope, A. D.	Ottawa	Civil.
Poynton, C. A.	Toronto	Mining.
Pringle, F. D.	Hamilton	Civil.
Rogers, A. B.	Gananoque	Civil.
Rowlands, H. E.	Hamilton	Civil.
Sloan, J. H.	Toronto	Civil.
Smith, L. J.	Westboro	Civil.
Snider, D. R.	Waterloo	Mechanical.
Spence, W. A.	Ottawa	Civil.
Stephens, C. B.	Aurora	Electrical.
Surgenor, W. J.	Cornwall	Electrical.
Vogan, G. O.	Ottawa	Civil.
Webster, A. A.	Stratford	Civil.
Whillans, T. O.	Ottawa	Mechanical.
Williams, H. J.	Kingston	Civil.
Wilson, E. V.	Kingston	Civil.
Wilson, H. S.	Carleton Place	Mining.
Wilson, J. H.	Lansdowne	Civil.
Wright, J. G.	Valleyfield, Que.	Civil.
Yates, B. T.	Cornwall	Civil.
Young, R. J.	Kingston	Chemical.
Youngs, J. L.	Stratford	Civil.

Third Year.

Name.	Address.	Course.
Barrett, W. G.	Williamstown	Civil.
Boggs, O. D.	Cobourg, Ont.	Mining.
Carnochan, R. K.	Ottawa	Mining.
Carlyle, C.	Jasper	Civil.
Dagenais, J. H.	Morewood	Electrical.
Danais, P.	Charlevoix, P.Q.	Civil.
Denyes, W. B.	Morvan	Civil.
Donevan, F. J.	Lansdowne	Civil.
Farnsworth, R. H.	Coaticook, Que.	Civil.
Finnemore, H. F.	Paris	Electrical.
Forbes, J. E.	Dartmouth, N.S.	Civil.
Fraser, C. E.	Brockville, Ont.	Civil.
Fraser, O. B. J.	Brockville	Chemical.
Fredea, M. F.	Chester, N.S.	Civil.
Godson, E. P.	Fenbury, Worchester- shire, Eng.	Civil.
Hemmerick, G.	Conestogo	Civil.
Hughson, T. L.	Niagara Falls	Civil.
Irwin, B. L.	Cornwall	Civil.
Joslyn, C. E.	Sintaluta, Sask.	Civil.
Laird, J. S.	Kingston	Civil.
Leslie, E.	Halifax, N.S.	Civil.
Mabee, H. C.	Kingston	Mechanical.
Milne, W. C.	Ottawa	Chemical.
Mohr, C. B.	Quyon, Que.	Civil.

Name.	Address.	Course.
Morgan, S. C.	Elgin	Electrical.
McCallum, A. N.	Sunbury	Mining.
MacCallum, F. Lyman.	Kingston	Mining.
McCarthy, F. W.	Kingston	Civil.
McIntosh, A. R.	Cobourg, Ont.	Civil.
McLennan, M. T.	Russell, Man.	Civil.
MacLennan, R. C.	Russell, Man.	Civil.
Nicholson, M. D.	Goderich	Civil.
Orr, W. S.	Cobourg	Civil.
Parrott, J. R.	Odessa, Ont.	Civil.
Pettingill, E. L.	Wellington	Civil.
Poon, Y. D.	Hamilton	Civil.
Ringsleben, W. C.	Renfrew	Mining.
Roach, D. J.	Sault Ste. Marie.	Electrical.
Robb, E. R.	Quinter, Kansas	Civil.
Rogers, Garfield R.	Oakwood	Mining.
Shaw, W. A.	Carleton Place	Electrical.
Slinn, W. H.	Billings Bridge	C.vii.
Smith, J. G.	Kingston	Civil.
Stewart, J. R.	City View	Civil.
Stewart, W. J.	Renfrew	Civil.
Turner, S. R.	Peterboro	Civil.
Welsh, R. L.	Brantford	Civil.
Wert, G. D.	Avonmore	Electrical.
Wilkins, C. V.	Trenton	Mechanical.

Fourth Year.

Name.	Address.	Course.
Baker, E. A.	Niagara Falls, Ont.	Electrical.
Bick, A. H.	Ottawa	Civil.
Bonham, J. C.	Jerseyville	Civil.
Browne, D. G.	Montclair, N. J.	Civil.
Brown, E. F.	Ottawa, Ont.	Civil.
Calhoun, D. H.	Ottawa	Civil.
Charters, D. E.	Napanee, Ont.	Electrical.
Cook, W. S.	Ottawa	Civil.
Dunsmore, R. L.	St. Thomas	Civil.
Earle, W. S.	Picton	Civil.
Earnshaw, P.	Almonte	Civil.
Farrell, J. W. D.	Moosomin, Sask.	Civil.
Fournier, J. A.	Sudbury	Mining.
Hagey, C. R.	Brantford	Civil.
Johnston, K. P.	Napanee	Civil.
Johnston, W. J.	Stoco, Ont.	Electrical.
Keeley, E. C.	Railton	Mining.
Laturney, Fred.	Regina, Sask.	Civil.
Lynch, L.	Chesterville	Civil.
Marshall, J. R.	Ottawa	Mineralogy & Geology.
Martineau, J. O.	Quebec City, P.Q.	Civil.
Morgan, Wm.	Rossland, B.C.	Mining.
McCartney, N.	Kingston	Civil.
Nixon, N. J.	Smith's Falls	Electrical.
Patterson, R. P.	Newburgh	Mining.
Platt, B. C.	Cobourg	Electrical.

Name.	Address.	Course.
Prouse, S. E.	Aylmer	Civil.
Putman, C. V.	Ottawa	Civil.
Racknor, E.	Kingston	Civil.
Robbins, C. A.	Brantford	Civil.
Robinson, E. K.	Kingston	Civil.
Ross, J. C.	Grandview, Man.	Mining.
Shiels, M. S.	Montclair, N.J.	Civil.
Skinner, P. E.	Keene	Electrical.
Smith, G. J.	Kingston	Civil.
Smith, R. T.	Sudbury	Mechanical.
Stewart, N. G.	Renfrew	Civil.
Van Patter, H. S.	Aylmer	Civil.
Walton, C. G.	Brockville	Civil.
Wilkinson, J. B.	Regina, Sask.	Civil.

FACULTY OF MEDICINE.

Name.	Address.	Year.
Abbott, C. F.	Smith's Falls, Ont.	1
Angrove, Harold S.	Kingston, Ont.	3
Angrove, Harvey R.	Kingston, Ont.	3
Appleby, L. H.	Clarendon, Ont.	2
Archer, C. D.	Kingston, Ont.	1
Atkinson, E.	Beadle, Sask.	1
Baggs, G.	Toronto, Ont.	1
Barnes, H. M.	Gananoque	3
Bell, G. L.	Caistorville	2
Bennett	Spencerville	3
Black, W. N. D.	Kingston	2
Blackett, O. K.	New York	2
Blair, J. H.	Kingston	3
Blair, W. G.	Fallbrook	3
Boe, M. R.	Burks Falls	1
Borfield J. P.	Ottawa	2
Box, J. H.	Calabogie	4
Boyce, G. T. G.	Battle Creek, Mich.	4
Boyce, H. A.	Hartington	2
Brennan, E. J.	North Bay	1
Brown, H. R.	Oungah	1
Brown, Miles G.	Morris Mills, N.B.	3
Brown, W. J. B.	Bonavista, Nfld.	4
Brown, W. E.	Gananoque	3
Burnett, N. L.	Springfield, Man.	4
Burham, S. E.	Port Hope	4
Burwell, G. B.	Renfrew	4
Byers, D. P.	Gananoque	4
Calder, A.	Grenada, B.W.I.	1
Calneck, S. H.	Kingston, Jamaica, B.W.I.	4
Campbell, A. H.	Welwyn, Sask.	4
Campbell, D. M.	Vernon	2
Campbell, W. R.	Regina, Sask.	1
Campney, R. O.	Pictou	1
Carley, A. A.	Lombardy	1
Carmichael, J.	Collingwood	4

Name.	Address.	Year.
Carroll, W. I.	Bowling Green	1
Carruthers, C. H.	Sarnia	1
Carson, C. O.	Morrisburg	2
Cartar, T. F.	Trinidad, B.W.I.	3
Case, J. W. T.	Georgetown, B.G.	3
Clarke, G. H. T. N.	Brooklyn, N.Y.	2
Clark, J. M.	Scugog	1
Clark, W. F.	Durham, N.S.	4
Coglon, M. F.	Clarinda, Alta.	4
Corbett, C. B.	Ironside, Que.	2
Coulter, J. W.	Chatham	4
Craig, N. M.	Fergus	1
Crawford, E. C. A.	Coleman, Alta.	3
Cronk, G. S.	Parham, Ont.	4
Cross, W. D. S.	Gravenhurst	2
Davidson, R. F.	Toronto	2
Davies, J. R.	Vancouver, B.C.	1
Deans, R. C.	N. Battleford, Sask.	2
de Beaupre, E. J.	Kingston	4
Delaney, T. F.	Jockdale	4
Denyes, G. F.	Odessa	3
Diamond, F. W.	Belleville	4
Donovan, C. R.	Brockville	4
Dowd, R. A.	Ottawa	3
Downs W. P.	Hamilton	1
Doyle, J. F.	Annaheim, Sask.	4
Duffett, W. H.	Adolphustown	3
Druholm, K. A.	Blenheim	4
Dunlay, E. B. P.	Watertown, N.Y.	1
Dunning, C. S.	Toronto	2
Eaton, A.	Oxbow, Sask.	1
Edwards, W. V.	Souris, Man.	4
Elliott, C. H.	Cataraqui	4
Emery, G. B.	Kingston	2
Eshoo, D.	Urmiah, Persia	1
Eve, J. W.	Pembroke, Bermuda	2
Fairbairn, G. L.	Brockville	1
Fallis, L. S.	Regina, Sask.	2
Filson, R. M.	Kingston	4
Finlayson, C. M.	N. Battleford, Sask.	3
Finlayson, J. C.	N. Battleford, Sask.	2
Fisher, J. H.	Kingston	4
Fisher, R. H.	London	4
Fitzsimmons, J. S.	Rockport	3
Fletcher, D. R.	Ceylon	3
Fowkes, J. T.	La Fargeville, N. Y.	1
Fraser, J. W.	Breadalbane	1
Gallagher, C. D.	Kingston	2
Garofalo, C. J.	Syracuse, N.Y.	3
Germain, R. L.	Portsmouth	1
Gilbert, W. J.	Bellevue	1
Gilhooly, J. P.	Ottawa	1
Gooch, C.	Kingston	2
Goodfellow, F. R.	Godfrey, Ont.	1
Goodfellow, G. F.	Parham	2

Name.	Address.	Year.
Gordon, E. J.	Highgate	3
Grace, N. M.	Renfrew	4
Green, J. O.	Arnprior	1
Guest, G. F.	Ballycroy	1
Haffner, A. B.	Kingston	2
Hagyard, F.	Milton	2
Hagyard, H. C.	Milton	4
Hammett, J. E.	Tweed	2
Harris, G. S.	Niagara Falls, Ont.	1
Hayes, S. A.	New York, U.S.A.	1
Hedden, H.	Dunnville	2
Henderson, C.	Orangeville	1
Henderson, R. C.	Winnipeg, Man.	2
Henry, E. W.	Warkworth	1
Henry, G. A.	St. Catharines	4
Hicks, W. H.	Candiac, Sask.	3
Holdcroft, C. R.	Havelock	2
Hooper, G.	Kingston	4
Horne, S. J. W.	Wolfe Island	1
Houston, J. F.	Regina, Sask.	3
Howson, A. G.	Peterboro	4
Jarman, H. L.	Bancroft	4
Johnstone, C. G.	Kingston	1
Johnston, G. H.	Cataraqui	2
Johnston, R. K.	Inverary	2
Kaliel, E. J.	Parry Sound	1
Kearney, J. A.	Westport	2
Kemp, J. H.	Rochester, N.Y.	6
Kennedy, M. J.	Portsmouth	2
Kennedy, O. E.	Quyon, Que.	3
Kerr, M. R.	Elgin	1
Kirkby, R. W.	N. Battleford, Sask.	1
Lalonde, R. H.	Cobourg	1
Laughlen, G. F.	Pointe Anne	3
Leacy, P.	Lanark	3
Leahy, W. H.	Peterboro	2
Leatherbarrow, A. T.	St. Martins, N.B.	2
Leeds, J. H.	Galt	4
Livingstone, D. M.	Collingwood	4
Livingston, L. D.	Boyd	2
Lloyd, W. H.	Kingston	2
Louden, T. G.	Cambray	2
Lumb, S. S.	Port Stewart	3
Lyon, R. C.	Kingston	1
Mahony, D.	Lansdowne	3
Martin, W. A.	Kingston	1
Martin, S. H.	St. Johns, Nfld.	4
Matheson, D. C.	Dalhousie Mills	4
Millan, K. E.	Kingston	4
Mills, G. K.	Kingston	1
Mills, J. P.	Ste. Justine Station, Que.	2
Minnes, W. G.	Kingston	1
Moher, M. J.	Cobourg	3
Moxley, J. H.	Ottawa	3
Munro, J. M.	Saskatoon, Sask.	1

Name.	Address.	Year.
Murray, H. G.	Herkimer, N.Y.	4
Murray, K. L.	St. Stephen, N.B.	2
McCuaig, V. E.	Bainsville	1
McDonald, D. J.	Alexandria	1
Macdonald, J. O.	Kingston	1
Macdonnell, P. M., M.A.	Kingston	3
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